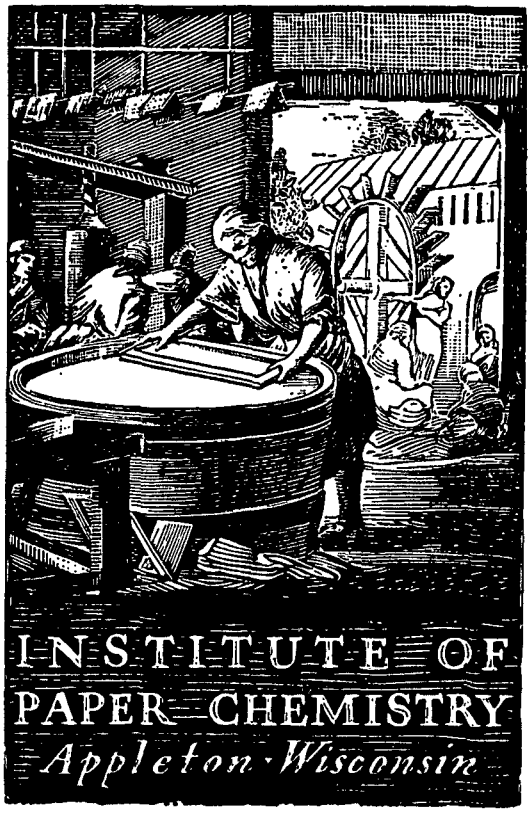


BASE-LINE

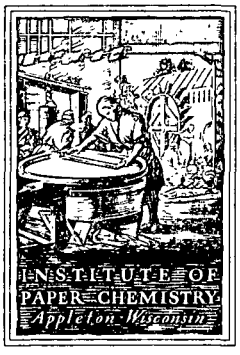
4th Quarter, 1982

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1982)

Project 2694-1

Report Eighty-Six
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
of the
AMERICAN PAPER INSTITUTE

March 1, 1983



THE INSTITUTE OF PAPER CHEMISTRY
Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251

March 1, 1983

Project 2694-1

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

> Report Eighty-Six, Project 2694-1, a progress report entitled, "Continuous Baseline Study (Modified); Mill Linerboard Data for October November, December, 1982" dated March 1, 1983

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

Sincerely,

Roger H. Van Eperen

Roger H. Van Eperen
Manager, Materials Testing Laboratory
Paper Materials & Systems Division

RHV/sb
Enclosure

MacMillan Bloedel
Your machines are identified in this report
by the following codes.

Pine Hill	1	M1

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1982)

Project 2694-1

Report Eighty-Six

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

March 1, 1983

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1982)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA
(SEPTEMBER-DECEMBER, 1982)

Linerboard Grade Wt.		Moisture Content			
		September	October	November	December
26 Lb	Max.[a]	6.3	6.0	7.5	7.5
	Min.[a]	3.3	3.2	3.3	3.5
	Av.[b]	5.0(16)	5.0(15)	5.0(18)	5.1(16)
33 Lb	Max.[a]	6.4	6.2	6.2	6.2
	Min.[a]	2.1	2.2	2.1	1.8
	Av.[b]	5.0(28)	5.1(25)	4.9(24)	4.7(23)
38 Lb	Max.[a]	6.4	6.5	6.2	6.4
	Min.[a]	4.8	3.9	3.1	4.4
	Av.[b]	5.5(19)	5.4(19)	5.3(21)	5.4(15)
42 Lb	Max.[a]	6.8	7.5	7.5	7.5
	Min.[a]	3.9	3.8	3.8	3.1
	Av.[b]	5.6(39)	5.7(38)	5.6(41)	5.6(38)
69 Lb	Max.[a]	7.6	7.5	7.5	7.5
	Min.[a]	4.8	4.7	4.5	3.8
	Av.[b]	6.3(24)	6.3(22)	6.3(25)	6.2(26)
90 Lb	Max.[a]	7.3	7.5	8.7	7.5
	Min.[a]	6.0	5.1	5.6	5.7
	Av.[b]	6.6(11)	6.4(12)	6.6(13)	6.5(10)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (SEPTEMBER-DECEMBER, 1982)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft^2			
		September	October	November	December
26 Lb	Max.[a]	27.6	27.4	27.6	27.9
	Min.[a]	25.8	25.9	25.9	26.1
	Av.[b]	26.6(16)	26.5(15)	26.5(18)	26.6(16)
33 Lb	Max.[a]	35.2	34.3	34.3	34.4
	Min.[a]	32.5	32.5	32.6	32.6
	Av.[b]	33.4(28)	33.3(25)	33.4(24)	33.4(23)
38 Lb	Max.[a]	38.8	39.1	39.6	41.1
	Min.[a]	37.5	38.1	37.8	38.1
	Av.[b]	38.4(19)	38.5(19)	38.5(21)	38.6(15)
42 Lb	Max.[a]	43.1	43.2	43.2	43.4
	Min.[a]	41.5	41.6	41.4	41.7
	Av.[b]	42.3(39)	42.4(38)	42.4(41)	42.5(38)
69 Lb	Max.[a]	71.1	71.0	71.1	70.9
	Min.[a]	68.3	68.2	68.0	68.3
	Av.[b]	69.4(24)	69.4(22)	69.4(25)	69.4(26)
90 Lb	Max.[a]	91.9	91.5	91.9	91.4
	Min.[a]	90.2	89.8	89.5	90.2
	Av.[b]	90.8(11)	90.6(12)	90.7(13)	90.8(10)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA (SEPTEMBER-DECEMBER, 1982)

Linerboard Grade Wt.		Caliper, pt. September	October	November	December
26 Lb	Max.[a]	8.6	8.6	8.7	8.4
	Min.[a]	7.0	7.1	7.3	7.1
	Av.[b]	7.8(16)	7.8(15)	8.0(18)	7.9(16)
33 Lb	Max.[a]	12.1	10.5	10.8	11.1
	Min.[a]	8.5	8.5	9.1	9.2
	Av.[b]	9.9(27)	9.8(24)	9.8(24)	9.9(22)
38 Lb	Max.[a]	11.7	11.5	11.7	11.8
	Min.[a]	10.1	9.8	10.1	10.3
	Av.[b]	10.9(18)	10.8(18)	10.8(21)	10.9(14)
42 Lb	Max.[a]	13.5	12.9	13.3	13.3
	Min.[a]	10.6	10.2	10.6	10.6
	Av.[b]	12.0(38)	11.9(37)	12.0(40)	12.0(37)
69 Lb	Max.[a]	21.7	21.9	21.4	21.6
	Min.[a]	17.6	17.7	17.7	17.9
	Av.[b]	19.6(23)	19.5(22)	19.5(25)	19.6(25)
90 Lb	Max.[a]	28.0	27.5	28.1	27.2
	Min.[a]	23.3	23.4	22.9	23.2
	Av.[b]	25.6(11)	25.3(12)	25.6(13)	25.4(10)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (SEPTEMBER-DECEMBER, 1982)

Linerboard Grade Wt.		Bursting Strength, psig			
		September	October	November	December
26 Lb	Max.[a]	83	82	78	83
	Min.[a]	61	64	62	61
	Av.[b]	70(16)	72(15)	70(18)	71(16)
33 Lb	Max.[a]	102	110	102	94
	Min.[a]	76	77	78	77
	Av.[b]	86(28)	85(25)	85(24)	85(23)
38 Lb	Max.[a]	109	110	109	111
	Min.[a]	88	87	88	91
	Av.[b]	99(19)	98(19)	98(21)	97(15)
42 Lb	Max.[a]	118	126	122	117
	Min.[a]	98	99	99	99
	Av.[b]	106(39)	106(38)	106(41)	105(38)
69 Lb	Max.[a]	163	185	174	161
	Min.[a]	134	131	135	133
	Av.[b]	142(24)	144(22)	143(25)	141(26)
90 Lb	Max.[a]	189	204	194	176
	Min.[a]	157	158	157	157
	Av.[b]	171(11)	176(12)	172(13)	169(10)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

PART V: SUMMARY OF CD RING CRUSH DATA (SEPTEMBER-DECEMBER, 1982)

Linerboard Grade Wt.		CD Ring Crush, lb			
		September	October	November	December
26 Lb	Max.[a]	43.0	39.0	43.0	43.0
	Min.[a]	29.6	31.0	30.5	27.0
	Av.[b]	36.1(10)	35.0(6)	35.9(10)	35.0(7)
33 Lb	Max.[a]	57.0	57.0	56.0	65.7
	Min.[a]	40.0	39.0	38.0	38.0
	Av.[b]	49.7(14)	49.0(12)	47.6(12)	50.0(12)
38 Lb	Max.[a]	77.0	93.0	76.6	78.1
	Min.[a]	47.5	46.0	52.0	55.0
	Av.[b]	62.7(14)	66.0(15)	63.5(15)	63.6(11)
42 Lb	Max.[a]	90.0	100.0	99.0	87.7
	Min.[a]	48.7	57.0	56.0	56.0
	Av.[b]	71.1(23)	71.1(23)	70.6(23)	71.0(22)
69 Lb	Max.[a]	149.0	155.0	150.0	135.0
	Min.[a]	94.0	95.0	94.0	90.0
	Av.[b]	118.8(13)	118.9(14)	118.7(16)	116.5(15)
90 Lb	Max.[a]	195.0	168.6	190.0	170.0
	Min.[a]	132.0	135.0	111.0	118.0
	Av.[b]	157.9(6)	151.8(7)	154.2(9)	151.0(6)

[a]Current machine average.
[b]Current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, bursting strength, and CD ring crush tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in Tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, bursting strength, and CD ring crush are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-lb Linerboard
V-VI-VII-VIII	Mill Test Averages on 33-lb Linerboard
IX-X-XI-XII	Mill Test Averages on 38-lb Linerboard
XIII-XIV-XV-XVI	Mill Test Averages on 42-lb Linerboard
XVII-XVIII-XIX-XX	Mill Test Averages on 69-lb Linerboard
XXI-XXII-XXIII-XXIV	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		6.1				26.7				26.8				7.6				82		
B1	4.6	5.4	85.2	92.0	25.3	25.5	99.2	97.3	26.2	26.1	100.4	98.9	8.0	8.3	96.4	101.3	82	74	110.8	115.5
C1	6.0	5.6	107.1	120.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	7.9	7.8	101.3	100.0	69	69	100.0	97.2
O1		4.3				25.1				26.0				8.6				75		
Q1	3.2	3.4	94.1	64.0	26.1	26.7	97.8	100.4	27.4	28.0	97.8	103.4	7.9	7.9	100.0	100.0	72	75	96.0	101.4
R1	4.9	4.8	102.1	98.0	26.1	26.2	99.6	100.4	26.2	26.3	99.6	98.9	7.7	8.0	96.2	97.5	76	77	98.7	107.0
S1		5.8				26.2				26.4				8.2				76		
W1		4.9				27.1				27.2				7.9				73		
Z1		5.7				25.8				26.4				9.0				66		
A2	5.4	5.3	101.9	108.0	26.4	26.4	100.0	101.5	27.1	27.1	100.0	102.3	8.6	8.6	100.0	108.9	69	68	101.5	97.2
H2	4.6	4.4	104.5	92.0	25.5	25.4	100.4	98.1	26.4	26.3	100.4	99.6	7.8	7.8	100.0	98.7	74	69	107.2	104.2
K2	5.7	6.0	95.0	114.0	25.8	26.1	98.8	99.2	25.9	26.2	98.8	97.7	7.5	7.7	97.4	94.9	64	63	101.6	90.1
L2	5.6	5.6	100.0	112.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.9	7.6	103.9	100.0	68	71	95.8	95.8
M2	5.2	4.7	110.6	104.0	26.4	26.4	100.0	101.5	26.5	26.5	100.0	100.0	8.1	7.7	105.2	102.5	67	67	100.0	94.4
O2	4.1	4.2	97.6	82.0	25.7	25.6	100.4	98.8	26.7	26.6	100.4	100.8	7.6	7.6	100.0	96.2	72	74	97.3	101.4
A3		5.4				25.8				26.4				7.6				71		
G3	5.5			110.0	25.4			97.7	26.0			98.1	7.5			94.9	75			105.6
J3	5.4	5.0	108.0	108.0	25.8	25.8	100.0	99.2	26.5	26.6	99.6	100.0	7.7	8.0	96.2	97.5	70	72	97.2	98.6
L3		5.5				26.0				26.2				8.6				62		
M3		5.6				25.7				26.3				7.6				75		
S3	3.4	3.4	100.0	68.0	26.3	26.3	100.0	101.2	26.4	26.4	100.0	99.6	7.9	8.0	98.8	100.0	81	78	103.8	114.1
W3		6.3				26.0				26.1				7.5				64		
Z3		4.8				25.0				25.9				7.8				67		
B4	4.8	4.5	106.7	96.0	26.1	26.1	100.0	100.4	27.0	27.1	99.6	101.9	7.6	7.8	97.4	96.2	67	68	98.5	94.4
H4	5.9	6.0	98.3	118.0	26.2	26.2	100.0	100.8	26.8	26.6	100.8	101.1	7.1	7.4	95.9	85.5	67	65	103.1	94.4
I4		5.2				26.1				26.2				7.8				66		

FKBG DATA

CUR. AV.	5.0			25.9			26.5			7.8			72		
CUM. AV.	5.0			26.0			26.5			7.9			71		
IND. *D	100.0			99.6			100.0			98.7			101.4		

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		6.1				26.7				26.8				7.6				82		
B1	5.0	5.3	94.3	100.0	25.7	25.5	100.8	98.8	26.5	26.2	101.1	100.0	8.7	8.2	106.1	110.1	78	76	102.6	105.8
C1	5.5	5.6	105.4	118.0	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	8.0	7.8	102.6	101.3	72	69	104.3	101.4
D1	4.0	4.3	93.0	80.0	25.3	25.1	100.8	97.3	26.3	26.0	101.2	99.2	8.3	8.6	96.5	105.1	78	75	104.0	109.8
Q1	3.3	3.4	97.0	66.0	25.7	26.6	96.6	98.8	27.0	27.9	96.8	101.9	7.5	7.9	94.9	94.5	67	75	89.3	94.4
R1	4.8	4.8	100.0	96.0	26.2	26.2	100.0	100.8	26.3	26.3	100.0	99.2	8.0	7.9	101.3	101.3	78	77	101.3	105.8
S1		5.8				26.2				26.4				8.2				76		
W1	4.3	4.9	87.8	86.0	26.8	27.0	99.2	103.1	26.9	27.1	99.3	101.5	7.7	7.9	97.5	97.5	72	73	98.6	101.4
Z1		5.7				25.8				26.4				9.0				66		
A2	5.2	5.3	98.1	104.0	26.8	26.4	101.5	103.1	27.6	27.1	101.8	104.2	8.1	8.6	94.2	102.5	70	68	102.9	98.6
H2		4.6				25.4				26.4				7.9				71		
K2	5.7	6.0	95.0	114.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.1	7.7	105.2	102.5	62	63	98.4	87.3
L2	5.1	5.6	91.1	102.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.2	7.6	107.9	103.8	73	71	102.8	102.8
M2	4.6	4.8	95.8	92.0	26.5	26.4	100.4	101.9	26.6	26.5	100.4	100.4	7.7	7.7	100.0	97.5	68	67	101.5	95.8
O2	4.0	4.2	95.2	80.0	25.7	25.6	100.4	98.8	26.8	26.6	100.8	101.1	7.6	7.6	100.0	96.2	73	73	100.0	102.8
A3		5.4				25.8				26.4				7.6				71		
G3		5.5				25.4				26.0				7.5				75		
J3	5.2	5.1	102.0	104.0	25.8	25.8	100.0	99.2	26.5	26.6	99.6	100.0	7.6	7.9	96.2	96.2	77	71	108.4	108.4
L3	5.6	5.5	101.8	112.0	26.0	26.0	100.0	100.0	26.2	26.2	100.0	98.9	8.6	8.6	100.0	108.9	62	62	100.0	87.3
M3	5.0	5.6	89.3	100.0	25.4	25.7	98.8	97.7	26.2	26.3	99.6	98.9	7.7	7.6	101.3	97.5	68	75	90.7	95.8
S3		3.4				26.3				26.4				8.0				79		
W3		6.3				26.0				26.1				7.6				64		
Z3	4.5	4.7	95.7	90.0	25.0	25.0	100.0	96.2	25.9	25.9	100.0	97.7	7.9	7.8	101.3	100.0	69	67	103.0	97.2
B4	4.4	4.6	95.6	88.0	26.1	26.1	100.0	100.4	27.1	27.0	100.4	102.3	8.6	7.8	110.2	108.9	67	68	98.5	94.4
H4	5.7	6.0	95.0	114.0	25.7	26.2	98.1	98.8	26.3	26.7	98.5	99.2	7.3	7.4	98.6	92.4	63	65	96.9	88.7
I4		4.8				26.1				26.2				7.8				66		
S4	7.5			150.0	26.1			100.4	26.2			98.9	8.0			101.3	72			102.2

FKBG DATA

CUR. AV.	5.0				25.9				26.5				8.0				70			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	100.0				99.6				100.0				101.3				98.6			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		6.1				26.7				26.8				7.6				82		
B1	5.1	5.2	98.1	102.0	25.7	25.5	100.8	98.8	26.4	26.2	100.8	99.6	8.1	8.4	96.4	102.5	83	76	109.2	116.9
C1	5.5	5.7	96.5	110.0	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	7.6	7.9	96.2	96.2	66	69	95.6	93.0
O1		4.4				25.1				26.0				8.6				75		
Q1	3.5	3.4	102.9	70.0	26.6	26.5	100.4	102.3	27.9	27.8	100.4	105.3	7.6	7.9	96.2	96.2	71	73	97.3	100.0
R1	4.9	4.8	102.1	98.0	26.1	26.2	99.6	100.4	26.2	26.3	99.6	98.9	8.0	7.9	101.3	101.3	78	76	102.6	105.8
S1		5.8				26.2				26.4				8.2				76		
W1		4.7				26.8				26.9				7.8				74		
Z1		5.7				25.8				26.4				9.0				66		
A2	5.5	5.3	103.8	110.0	27.0	26.4	102.3	103.8	27.7	27.2	101.8	104.5	8.4	8.6	97.7	106.3	69	68	101.5	97.2
H2		4.6				25.5				26.4				7.8				74		
K2	5.5	6.0	91.7	110.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.9	7.8	101.3	100.0	65	63	103.2	91.5
L2	5.0	5.6	89.3	100.0	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	8.4	7.7	109.1	106.3	74	71	104.2	104.2
M2	4.7	4.8	97.9	94.0	26.6	26.4	100.8	102.3	26.7	26.5	100.8	100.8	7.8	7.7	101.3	98.7	71	67	106.0	100.0
O2	4.0	4.2	95.2	80.0	26.0	25.6	101.6	100.0	27.1	26.6	101.9	102.3	7.9	7.6	103.9	100.0	71	73	97.3	100.0
A3		5.4				25.7				26.3				7.5				71		
G3	5.0	5.5	90.9	100.0	25.8	25.4	101.6	99.2	26.6	26.0	102.3	100.4	8.0	7.5	106.7	101.3	72	75	96.0	101.4
J3	5.0	5.1	98.0	100.0	25.7	25.8	99.6	98.8	26.5	26.6	99.6	100.0	7.7	7.9	97.5	97.5	76	72	105.6	107.0
L3	5.3	5.5	96.4	106.0	26.0	26.0	100.0	100.0	26.2	26.2	100.0	98.9	8.4	8.6	97.7	106.3	61	62	98.4	85.9
M3		5.5				25.6				26.3				7.6				74		
S3		3.4				26.4				26.5				8.0				79		
W3		6.3				26.0				26.1				7.8				63		
Z3	4.7	4.7	100.0	94.0	25.4	25.0	101.6	97.7	26.3	25.8	101.9	99.2	7.1	7.8	91.0	89.9	71	67	106.0	100.0
B4	5.2	4.5	115.6	104.0	26.4	26.1	101.1	101.5	27.1	27.1	100.0	102.3	7.7	7.9	97.5	97.5	70	68	102.9	98.6
H4		6.0				26.1				26.7				7.4				65		
I4	5.0	4.8	104.2	100.0	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	7.9	7.8	101.3	100.0	69	66	104.5	97.2
S4	7.5	7.5	100.0	150.0	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	7.3	8.0	91.2	92.4	72	73	99.7	102.5
FKBG DATA																				
CUR. AV.	5.1				26.1				26.6				7.9				71			
CUM. AV.	5.0				26.0				26.5				7.9				71			
IND. *D	102.0				100.4				100.4				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1982				NOVEMBER, 1982				DECEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1												
B1												
C1												
O1		42.7			42.0	42.7	98.4	116.3		42.5		
Q1	39.0	41.3	94.4	107.4	31.0	41.0	75.6	85.9	43.0	39.8	108.0	119.1
R1	35.0	42.3	82.7	96.4	43.0	41.3	104.1	119.1	36.0	41.5	86.7	99.7
S1		37.0				37.0				37.0		
W1		35.7			35.3	35.7	98.9	97.3		35.6		
Z1												
A2	33.0	33.0	100.0	90.9	33.0	33.0	100.0	91.4	33.0	33.0	100.0	91.4
H2												
K2												
L2	31.0	31.2	99.4	85.4	32.0	31.1	102.9	86.6	38.0	31.2	121.8	105.3
M2												
O2	36.0	35.0	102.8	99.2	35.0	35.1	99.7	97.0	37.0	35.1	105.4	102.5
A3												
G3												
J3												
L3		36.2			30.5	36.2	84.2	84.5	31.0	34.3	90.4	85.9
M3		34.8			38.1	34.8	109.5	105.5		35.9		
S3	36.0	40.0	90.0	99.2		39.4				39.4		
W3												
Z3		29.0			39.1	29.0	134.8	108.3		31.0		
B4												
H4												
I4									27.0			74.8
S4												

FKBG DATA			
CUR. AV.	35.0	35.9	35.0
CUM. AV.	36.3	36.1	36.1
IND. *D	96.4	99.4	97.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPE DIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.8			116.0	33.2			101.8	33.3			99.7	10.3			105.1	52		0.0	107.0
B1	4.1	5.2	78.8	82.0	31.3	32.4	96.6	96.0	32.6	33.3	97.9	97.6	9.1	9.7	93.8	92.8	110	93	118.3	127.9
C1	6.0	5.8	103.4	120.0	33.1	33.1	100.0	101.5	33.3	33.3	100.0	99.7	9.7	9.8	99.0	99.0	80	83	96.4	93.0
D1		4.6				32.4				33.5				9.4				96		
K1		2.5				32.1				34.0				10.3				85		
M1		4.2				32.7				34.0				9.0				98		
O1		5.2				32.2				33.1				10.9				89		
Q1	4.2	3.8	110.5	84.0	32.4	32.1	100.9	99.4	33.7	33.5	100.6	100.9	9.4	9.6	97.9	95.5	82	85	96.5	95.3
R1	5.1	5.0	102.0	102.0	33.1	33.2	99.7	101.5	33.2	33.3	99.7	99.4	10.2	10.0	102.0	104.1	92	92	100.0	107.0
S1		5.4				33.0				33.0				9.8				95		
W1		5.1				33.3				33.4				9.4				87		
A2	5.6	5.3	105.7	112.0	32.4	32.4	100.0	99.4	33.2	33.2	100.0	99.4	10.0	10.3	97.1	102.0	79	79	100.0	91.9
H2	5.1	5.3	96.2	102.0	32.3	32.4	99.7	99.1	33.2	33.3	99.7	99.4	9.9	9.9	100.0	101.0	83	82	101.2	96.5
I2	2.2	2.5	88.0	44.0	32.3	32.4	99.7	99.1	34.3	34.3	100.0	102.7	9.3	9.3	100.0	94.5	90	87	103.4	104.6
K2	6.1	6.3	96.8	122.0	32.8	33.0	99.4	100.6	32.9	33.1	99.4	98.5	10.2	10.2	100.0	104.1	84	84	100.0	97.7
L2	6.2	6.1	101.6	124.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.6	9.5	101.0	98.0	88	84	104.8	102.3
M2	5.2	5.2	100.0	104.0	33.4	33.2	100.6	102.4	33.5	33.3	100.6	100.3	10.0	9.8	102.0	102.0	81	81	100.0	94.2
O2	4.5	4.6	97.8	90.0	32.5	32.5	100.0	99.7	33.7	33.6	100.3	100.9	9.5	9.5	100.0	96.5	90	90	100.0	104.6
R2	5.8	6.1	95.1	116.0	33.0	33.0	100.0	101.2	33.1	33.2	99.7	99.1	8.7	9.2	94.6	88.8	85	86	98.8	98.8
W2	3.3	3.7	89.2	66.0	32.4	32.7	99.1	99.4	32.7	33.0	99.1	97.9	10.4	10.1	103.0	106.1	81	80	101.2	94.2
A3		5.5				32.5				33.3				9.7				89		
G3	5.6	5.6	100.0	112.0	32.4	32.4	100.0	99.4	33.2	33.2	100.0	99.4	9.6	9.3	103.2	98.0	84	91	92.3	97.7
J3	5.3	5.2	101.9	106.0	32.6	32.6	100.0	100.0	33.5	33.5	100.0	100.3	10.2	10.0	102.0	104.1	80	81	98.8	93.0
L3	5.9	5.7	103.5	118.0	33.0	33.1	99.7	101.2	33.3	33.4	99.7	99.7	10.3	10.6	95.4	105.1	77	76	101.3	85.5
M3		5.8				32.5				33.2				9.9				88		
Q3	4.3	4.6	93.5	86.0	32.3	32.3	100.0	99.1	33.5	33.5	100.0	100.3	9.4	9.5	98.9	95.5	95	97	97.9	110.5
S3		5.0				33.3				33.4				10.4				90		
U3	5.8	6.0	96.7	116.0	33.2	33.1	100.3	101.8	33.3	33.2	100.3	99.7					80	82	97.6	93.0
W3	6.1	6.5	93.8	122.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	8.5	9.3	91.4	86.7	86	87	98.8	100.0
Z3	5.6	5.2	107.7	112.0	31.7	31.9	99.4	97.2	32.5	32.8	99.1	97.3	9.9	10.0	99.0	101.0	85	85	100.0	98.8
B4	5.2	5.1	102.0	104.0	32.8	32.6	100.6	100.6	33.7	33.6	100.3	100.9	9.7	9.4	103.2	99.0	78	82	95.1	90.7
C4		5.8				34.1				34.8				9.8				86		
H4	6.2	6.0	103.3	124.0	32.9	32.9	100.0	100.9	33.5	33.5	100.0	100.3	9.5	9.3	102.2	96.9	81	79	102.5	94.2
I4	5.1	5.4	94.4	102.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	10.1	9.6	105.2	103.1	84	85	98.8	97.7
R4	2.5	2.3	108.7	50.0	32.3	32.2	100.3	99.1	34.1	34.1	100.0	102.1	10.5	10.0	105.0	107.1	88	83	106.0	102.3
FXBG DATA																				
CUR. AV.	5.1				32.6				33.3				9.8				85			
CUM. AV.	5.0				32.6				33.4				9.8				86			
IND. *D	102.0				100.0				99.7				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.8				33.2				33.3				10.3				92		
B1		5.1				32.4				33.3				9.7				95		
C1	5.9	5.9	100.0	118.3	33.1	33.1	100.0	101.5	33.3	33.3	100.0	99.7	9.8	9.8	100.0	100.0	83	82	101.2	96.5
D1		4.6				32.4				33.5				9.4				96		
K1	2.3	2.6	88.5	46.0	32.2	32.1	100.3	98.8	34.1	34.0	100.3	102.1	10.8	10.3	104.8	110.2	82	85	96.5	95.3
M1		4.2				32.7				34.0				9.1				98		
O1	5.4	5.2	103.8	108.0	32.6	32.2	101.2	100.0	33.4	33.1	100.9	100.0	10.7	11.0	97.3	109.2	91	89	102.2	105.8
Q1	4.0	3.8	105.3	80.0	32.2	32.2	100.0	98.8	33.5	33.5	100.0	100.3	9.5	9.5	100.0	96.5	80	85	94.1	93.0
R1	5.0	5.0	100.0	100.0	33.2	33.2	100.0	101.8	33.3	33.3	100.0	99.7	10.3	10.0	103.0	105.1	92	91	101.1	107.0
S1		5.4				33.0				33.0				9.8				95		
W1	5.3	5.2	101.9	106.0	33.2	33.3	99.7	101.8	33.3	33.4	99.7	99.7	9.2	9.4	97.9	93.5	90	87	103.4	104.6
A2	5.5	5.4	101.8	110.0	32.5	32.4	100.3	99.7	33.3	33.2	100.3	99.7	9.8	10.3	95.1	100.0	82	79	103.8	95.3
H2		5.2				32.4				33.3				10.0				82		
I2	2.1	2.5	84.0	42.0	32.3	32.4	99.7	99.1	34.3	34.3	100.0	102.7	9.3	9.3	100.0	94.9	87	87	100.0	101.2
K2	5.8	6.2	93.5	116.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	10.3	10.2	101.0	105.1	85	84	101.2	98.8
L2	5.0	6.1	82.0	100.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.7	9.5	102.1	99.0	82	84	97.6	95.3
M2	5.4	5.2	103.8	108.0	33.4	33.2	100.6	102.4	33.5	33.3	100.6	100.3	10.2	9.8	104.1	104.1	81	81	100.0	94.2
O2	4.3	4.6	93.5	86.0	32.3	32.5	99.4	99.1	33.5	33.7	99.4	100.3	9.4	9.4	100.0	95.5	88	90	97.8	102.3
R2	6.2	6.0	103.3	124.0	33.1	33.0	100.3	101.5	33.2	33.2	100.0	99.4	9.1	9.1	100.0	92.8	84	86	97.7	97.7
W2		3.7				32.7				33.0				10.1				80		
A3	4.9	5.5	89.1	98.0	32.2	32.5	99.1	98.8	33.2	33.3	99.7	99.4	9.9	9.7	102.1	101.0	87	88	98.9	101.2
G3	5.2	5.5	94.5	104.0	32.4	32.4	100.0	99.4	33.3	33.2	100.3	99.7	9.7	9.3	104.3	99.0	88	91	96.7	102.3
J3	5.1	5.2	98.1	102.0	32.6	32.6	100.0	100.0	33.5	33.5	100.0	100.3	9.7	10.0	97.0	99.0	82	81	101.2	95.3
L3	5.6	5.8	96.6	112.0	33.0	33.1	99.7	101.2	33.3	33.4	99.7	99.7	10.4	10.6	98.1	106.1	78	77	101.3	90.7
M3	5.7	5.8	98.3	114.0	32.4	32.5	99.7	99.4	33.1	33.2	99.7	99.1	9.5	9.9	96.0	96.9	83	88	94.3	96.5
Q3	4.7	4.5	104.4	94.0	32.3	32.3	100.0	99.1	33.4	33.5	99.7	100.0	9.7	9.5	102.1	99.0	102	97	105.2	118.6
S3		5.0				33.3				33.4				10.4				90		
U3		6.0				33.2				33.3								82		
W3		6.4				33.0				33.1				9.1				87		
Z3	5.1	5.2	98.1	102.0	31.7	31.8	99.7	97.2	32.6	32.7	99.7	97.6	10.1	10.0	101.0	103.1	87	84	103.6	101.2
B4	5.2	5.1	102.0	104.0	32.8	32.6	100.6	100.6	33.7	33.6	100.3	100.9	9.5	9.4	101.1	96.9	78	82	95.1	90.7
C4		5.8				34.1				34.8				9.8				86		
H4	5.9	6.0	98.3	118.0	32.8	32.9	99.7	100.6	33.5	33.5	100.0	100.3	9.6	9.3	103.2	98.0	82	79	103.8	95.3
I4	5.1	5.3	96.2	102.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.3	9.6	96.9	94.5	90	85	105.9	104.6
R4	2.3	2.3	100.0	46.0	32.0	32.2	99.4	98.2	33.9	34.1	99.4	101.5	10.2	10.1	101.0	104.1	84	84	100.0	97.7
FKBG DATA																				
CUR. AV.	4.9				32.6				33.4				9.8				85			
CUM. AV.	5.0				32.6				33.4				9.8				86			
IND. *D	98.0				100.0				100.0				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		5.8				33.2				33.3				10.3				92		
B1		5.1				32.4				33.3				9.7				96		
C1	5.7	5.9	96.6	114.0	33.0	33.1	99.7	101.2	33.2	33.3	99.7	99.4	9.4	9.8	95.9	95.5	86	83	103.6	100.0
D1	4.6	4.6	100.0	92.0	32.4	32.4	100.0	99.4	33.5	33.5	100.0	100.3	9.3	9.4	98.9	94.9	91	96	94.8	105.8
K1	2.5	2.6	96.2	50.0	32.2	32.1	100.3	98.8	34.0	34.0	100.0	101.8	11.1	10.3	107.8	113.3	81	85	95.3	94.2
M1		4.4				32.8				34.0				9.1				97		
O1	5.1	5.2	98.1	102.0	32.3	32.2	100.3	99.1	33.2	33.1	100.3	99.4	10.9	11.0	99.1	111.2	93	89	104.5	108.1
Q1	3.9	3.8	102.6	78.0	32.0	32.1	99.7	98.2	33.3	33.5	99.4	99.7	9.3	9.5	97.9	94.9	81	84	96.4	94.2
R1	5.1	5.0	102.0	102.0	33.2	33.2	100.0	101.8	33.3	33.3	100.0	99.7	10.4	10.1	103.0	106.1	93	91	102.2	108.1
S1		5.4				33.0				33.8				9.8				95		
W1		5.2				33.2				33.4				9.3				88		
A2	5.6	5.4	103.7	112.0	32.8	32.4	101.2	100.6	33.6	33.3	100.9	100.6	10.0	10.2	98.0	102.0	80	79	101.3	93.0
H2		5.2				32.4				33.3				10.0				82		
I2	1.8	2.4	75.0	36.0	32.3	32.4	99.7	99.1	34.4	34.3	100.3	103.0	9.8	9.3	105.4	100.0	87	87	100.0	101.2
K2	6.2	6.2	100.0	124.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	10.6	10.2	103.9	108.2	83	84	98.8	96.5
L2		6.0				33.0				33.1				9.4				85		
M2	5.0	5.3	94.3	100.0	33.6	33.2	101.2	103.1	33.7	33.4	100.9	100.9	9.7	9.9	98.0	99.0	84	81	103.7	97.7
O2	4.4	4.6	95.6	88.0	32.7	32.5	100.6	100.3	33.9	33.7	100.6	101.5	9.7	9.4	103.2	99.0	82	90	91.1	95.3
R2		6.0				33.0				33.2				9.1				86		
W2	4.1	3.8	107.9	82.0	32.3	32.7	98.8	99.1	32.6	33.0	98.8	97.6	9.8	10.1	97.0	100.0	79	81	97.5	91.9
A3	4.8	5.3	90.6	96.0	32.2	32.4	99.4	98.8	33.3	33.3	100.0	99.7	9.3	9.7	95.9	94.9	87	88	98.9	101.2
G3	4.8	5.4	88.9	96.0	31.9	32.4	98.4	97.8	33.0	33.2	99.4	98.8	9.4	9.3	101.1	95.9	88	92	95.6	102.3
J3	4.9	5.2	94.2	98.0	32.4	32.6	99.4	99.4	33.4	33.5	99.7	100.0	9.9	10.0	99.0	101.0	83	81	102.5	96.5
L3	5.5	5.7	96.5	110.0	33.1	33.0	100.3	101.5	33.4	33.4	100.0	100.0	10.3	10.6	97.2	105.1	77	77	100.0	89.5
M3		5.8				32.5				33.2				9.9				88		
Q3	4.6	4.5	102.2	92.0	32.4	32.3	100.3	99.4	33.5	33.5	100.0	100.3	9.9	9.6	103.1	101.0	94	99	94.9	105.3
S3		5.0				33.3				33.4				10.4				90		
U3	5.5	6.0	98.3	118.0	33.2	33.2	100.0	101.8	33.3	33.3	100.0	99.7					80	81	98.8	93.0
W3		6.4				33.0				33.1				8.9				87		
Z3	5.3	5.2	101.5	106.0	31.7	31.8	99.7	97.2	32.6	32.7	99.7	97.6	10.0	10.0	100.0	102.0	85	85	100.0	98.8
B4	5.6	5.1	109.8	112.0	33.1	32.6	101.5	101.5	33.9	33.6	100.9	101.5	10.0	9.5	105.3	102.0	81	81	100.0	94.2
C4		5.8				34.1				34.8				9.8				86		
H4	6.0	6.0	100.0	120.0	32.8	32.9	99.7	100.6	33.5	33.6	99.7	100.3	9.2	9.3	98.9	93.9	81	80	101.2	94.2
I4	5.0	5.3	94.3	100.0	33.0	33.0	100.0	101.2	33.1	33.1	100.0	99.1	9.4	9.5	98.9	95.9	89	86	103.5	103.5
R4	2.2	2.3	95.6	44.0	32.2	32.2	100.0	98.8	34.2	34.1	100.3	102.4	10.4	10.1	103.0	106.1	85	84	101.2	98.8

FKBG DATA												
CUR. AV.	4.7				32.6				33.4			
CUM. AV.	5.0				32.6				33.4			
IND. *D	94.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1982				NOVEMBER, 1982				DECEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	57.0			116.1		57.0				57.0		
B1												
C1												
D1		70.1				70.1			65.7	70.1	93.7	134.4
K1												
M1		52.2				52.2				52.2		
O1		54.2			38.0	54.2	70.1	77.4	58.0	51.8	112.0	118.6
Q1	50.0	52.2	95.8	101.8	55.0	51.8	106.2	112.0	51.0	52.2	97.7	104.3
R1	55.0	55.3	99.4	112.0	56.0	55.3	101.3	114.0	54.0	55.4	97.5	110.4
S1		53.0				53.0				53.0		
W1		49.9			50.5	49.9	101.2	102.8		50.0		
A2	41.0	38.8	105.7	83.5	44.0	39.1	112.5	89.6	38.0	39.8	95.5	77.7
H2												
I2												
K2												
L2	45.0	42.0	107.1	91.6	44.0	42.5	103.5	89.6		42.7		
M2												
O2	53.0	51.5	102.9	107.9	49.0	51.7	94.8	95.8	50.0	51.4	97.3	102.2
R2												
W2	42.0	40.7	103.2	85.5		40.8			43.0	40.8	105.4	87.9
A3												
G3												
J3												
L3	55.0	51.6	106.6	112.0	44.8	52.7	85.0	91.2	45.0	50.7	88.8	92.0
M3		48.0			53.0	48.0	110.4	107.9		50.5		
O3	49.0	55.0	89.1	99.8	50.0	53.0	94.3	101.8	52.0	52.2	99.6	106.3
S3		51.0				51.0				51.0		
U3	52.0	54.5	95.4	105.5		54.0			54.0	54.0	100.0	110.4
W3												
Z3	50.4	47.8	105.4	102.6	44.5	46.2	92.3	90.6	46.0	47.7	96.4	94.1
B4												
C4												
H4												
I4	39.0	43.2	90.3	79.4	42.0	42.5	98.8	85.5	44.0	42.4	103.8	90.0
R4												
FKBG DATA												
CUR. AV.	49.0				47.6				50.0			
CUM. AV.	49.1				49.1				48.9			
IND. *D	99.2				96.9				102.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.5	5.6	98.2	101.8	38.0	38.5	98.7	100.5	38.1	38.6	98.7	99.2	11.0	10.7	102.8	101.6	100	98	102.0	102.0
B1		4.9				36.7				37.8				10.8				103		
C1	6.5	6.2	104.8	120.4	38.0	38.0	100.0	100.5	38.2	38.2	100.0	99.5	11.0	11.2	98.2	101.8	94	96	97.9	95.9
D1	5.1	5.3	96.2	94.4	37.3	37.6	99.2	98.7	38.4	38.7	99.2	100.0	10.3	10.6	97.2	95.4	100	101	99.0	102.0
E1	5.0	5.1	98.0	92.6	37.5	37.5	100.0	99.2	38.6	38.6	100.0	100.5	10.5	10.3	101.9	97.2	101	102	99.0	103.1
H1	5.9	5.6	105.4	109.2	37.7	37.6	100.3	99.7	38.5	38.5	100.0	100.3	10.6	10.8	98.1	98.1	101	94	107.4	103.1
J1		4.9				38.4				39.6				10.1				94		
M1	5.4	5.4	100.0	100.0	37.7	37.7	100.0	99.7	38.7	38.6	100.2	100.8	11.5	10.4	110.6	106.5	100	104	96.2	102.0
O1	5.9	6.0	98.3	109.2	37.5	37.4	100.3	99.2	38.3	38.2	100.3	99.7	11.3	11.0	102.7	104.6	108	102	105.9	110.2
Q1	4.2	4.8	87.5	77.8	37.6	37.4	100.5	99.5	39.1	38.6	101.3	101.8	10.8	10.1	106.9	100.0	98	94	104.2	100.0
R1		5.2				38.2				38.3				11.2				100		
S1		5.7				37.9				38.0				11.2				110		
W1	5.6	5.6	100.0	103.7	38.4	38.4	100.0	101.6	38.5	38.5	100.0	100.3	9.8	10.4	94.2	90.7	98	98	100.0	100.0
H2		5.5				37.3				38.2				11.0				97		
I2		4.1				38.1				39.6				10.5				98		
J2	5.0	5.6	89.3	92.6	38.5	38.6	99.7	101.8	38.6	38.8	99.5	100.5	10.6	10.6	100.0	98.1	97	95	102.1	99.0
L2		6.2				38.0				38.0				10.7				95		
M2	5.5	5.4	101.8	101.8	38.3	38.3	100.0	101.3	38.4	38.4	100.0	100.0	10.5	10.6	99.0	97.2	96	95	101.0	98.0
O2	4.9	5.1	96.1	90.7	37.5	37.4	100.3	99.2	38.7	38.5	100.5	100.8	11.0	11.0	100.0	101.8	101	100	101.0	103.1
A3	5.4	5.3	101.9	100.0	37.4	37.3	100.3	98.9	38.4	38.4	100.0	100.0	11.4	11.0	103.6	105.6	100	100	100.0	102.0
J3		5.3				37.5				38.6				11.2				91		
Q3	4.7	4.7	100.0	87.0	37.1	37.2	99.7	98.1	38.4	38.4	100.0	100.0	10.5	10.4	101.0	97.2	101	108	93.5	103.1
R3	5.8	5.7	101.8	107.4	38.2	38.2	100.0	101.0	38.5	38.5	100.0	100.3	10.4	11.1	93.7	96.3	95	96	99.0	96.9
S3	3.9	5.6	69.6	72.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.0	11.3	97.3	101.8	110	104	105.8	112.2
U3	6.0	6.1	98.4	111.1	38.2	38.2	100.0	101.0	38.3	38.2	100.3	99.7					93	92	101.1	94.9
Z3		5.7				36.7				37.5				11.6				97		
B4	5.8	5.4	107.4	107.4	38.0	37.6	101.1	100.5	38.8	38.6	100.5	101.0	10.6	10.7	99.1	98.1	87	90	96.7	88.8
C4		6.0				38.0				38.7				10.8				97		
I4	5.7	5.8	98.3	105.6	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2	10.9	10.6	102.8	100.9	93	96	96.9	94.9
R4		4.2				37.6				39.1				12.0				98		

FNBG DATA

CUR. AV.	5.4	37.8	38.5	10.8	98
CUM. AV.	5.4	37.8	38.4	10.8	98
IND. *D	100.0	100.0	100.3	100.0	100.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.3	5.7	93.0	98.1	38.1	38.4	99.2	100.8	38.2	38.5	99.2	99.5	10.4	10.7	97.2	96.3	98	99	99.0	100.0
B1		4.9				36.7				37.8				10.8				103		
C1	6.2	6.2	100.0	114.8	38.0	38.0	100.0	100.5	38.2	38.2	100.0	99.5	11.2	11.2	100.0	103.7	94	96	97.9	95.9
D1	5.5	5.3	103.8	101.8	37.6	37.6	100.0	99.5	38.5	38.6	99.7	100.3	10.6	10.5	101.0	98.1	98	101	97.0	100.0
E1	5.5	5.1	107.8	101.8	37.7	37.5	100.5	99.7	38.6	38.6	100.0	100.5	11.0	10.3	106.8	101.8	107	102	104.9	105.2
H1	5.7	5.6	101.8	105.6	37.4	37.7	99.2	98.5	38.3	38.6	99.2	99.7	11.0	10.8	101.8	101.8	100	95	105.3	102.0
J1		4.9				38.4				39.6				10.1				94		
M1	5.5	5.4	101.8	101.8	37.7	37.7	100.0	99.7	38.6	38.7	99.7	100.5	11.3	10.6	106.6	104.6	104	103	101.0	106.1
O1		6.1				37.5				38.2				11.1				102		
Q1	4.4	4.7	93.6	81.5	37.2	37.4	99.5	98.4	38.6	38.6	100.0	100.5	10.1	10.2	99.0	93.5	90	94	95.7	91.8
R1	5.4	5.2	103.8	100.0	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.7	11.2	104.5	108.3	99	100	99.0	101.0
S1		5.7				37.9				38.0				11.2				110		
W1	5.6	5.6	100.0	103.7	38.3	38.4	99.7	101.3	38.4	38.5	99.7	100.0	10.3	10.3	100.0	95.4	95	98	96.9	96.9
H2		5.5				37.3				38.2				11.0				97		
I2	3.1	4.1	75.6	57.4	37.7	38.1	99.0	99.7	39.6	39.6	100.0	103.1	10.5	10.5	100.0	97.2	98	98	100.0	100.0
J2	5.3	5.6	94.6	98.1	38.7	38.6	100.2	102.4	38.8	38.7	100.2	101.0	10.5	10.6	99.0	97.2	96	96	100.0	98.0
L2		6.2				38.0				38.0				10.7				95		
M2	5.2	5.4	96.3	96.3	38.4	38.3	100.3	101.6	38.5	38.4	100.3	100.3	10.8	10.6	101.9	100.0	96	95	101.0	98.0
O2	5.0	5.0	100.0	92.6	37.5	37.5	100.0	99.2	38.6	38.6	100.0	100.5	11.0	11.0	100.0	101.8	99	100	99.0	101.0
A3	5.2	5.2	100.0	96.3	37.3	37.3	100.0	98.7	38.3	38.4	99.7	99.7	11.4	11.0	103.6	105.6	98	100	98.0	100.0
J3	5.5	5.3	103.8	101.8	37.5	37.5	100.0	99.2	38.4	38.5	99.7	100.0	10.5	11.2	93.8	97.2	94	91	103.3	95.9
Q3	4.8	4.7	102.1	88.9	37.0	37.2	99.5	97.9	38.2	38.4	99.5	99.5	10.4	10.4	100.0	96.3	109	107	101.9	111.2
R3	5.7	5.7	100.0	105.6	38.2	38.2	100.0	101.0	38.5	38.5	100.0	100.3	10.8	11.0	98.2	100.0	88	96	91.7	89.8
S3	4.4	5.4	81.5	81.5	38.4	38.2	100.5	101.6	38.5	38.3	100.5	100.3	11.1	11.2	99.1	102.8	108	105	102.8	110.2
U3		6.1				38.2				38.2								92		
Z3	5.3	5.6	94.6	98.1	36.8	36.6	100.5	97.4	37.8	37.4	101.1	98.4	11.4	11.6	98.3	105.6	102	98	104.1	104.1
B4	5.9	5.5	107.3	109.2	38.1	37.7	101.1	100.8	38.9	38.6	100.8	101.3	10.8	10.7	100.9	100.0	89	89	100.0	90.8
C4		6.0				38.0				38.7				10.8				97		
I4	6.0	5.8	103.4	111.1	38.1	38.1	100.0	100.8	38.2	38.2	100.0	99.5	11.0	10.6	103.8	101.8	94	96	97.9	95.9
R4		4.2				37.6				39.1				12.0				98		

FKBG DATA				
CUR. AV.	5.3	37.8	38.5	10.8	98
CUM. AV.	5.4	37.8	38.4	10.8	98
IND. *D	98.1	100.0	100.3	100.0	100.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ACTIVE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.6	5.6	100.0	103.7	38.2	38.3	99.7	101.0	38.3	38.4	99.7	99.7	10.7	10.7	100.0	95.1	94	99	94.9	95.9
B1		4.9				36.7				37.8				10.8				103		
C1	6.3	6.2	101.6	116.7	38.1	38.0	100.3	100.8	38.3	38.2	100.3	99.7	10.7	11.3	94.7	99.1	95	95	100.0	96.9
D1	5.3	5.3	100.0	98.1	37.6	37.6	100.0	99.5	38.6	38.6	100.0	100.5	10.7	10.5	101.9	99.1	98	101	97.0	100.0
E1		5.1				37.5				38.6				10.4				103		
H1	5.6	5.6	100.0	103.7	37.7	37.7	100.0	99.7	38.6	38.6	100.0	100.5	11.2	10.9	102.8	103.7	96	96	100.0	98.0
J1		4.5				38.2				39.6				10.1				95		
M1	5.9	5.4	109.2	109.2	38.2	37.7	101.3	101.0	39.0	38.7	100.8	101.6	11.4	10.7	106.5	105.6	100	103	97.1	102.0
O1		6.1				37.5				38.2				11.1				102		
Q1	5.4	4.7	114.5	100.0	40.1	37.4	107.2	106.1	41.1	38.6	106.5	107.0	10.8	10.1	106.9	100.0	95	94	101.1	96.9
R1		5.2				38.2				38.3				11.2				100		
S1		5.7				37.9				38.0				11.2				110		
W1	5.0	5.6	89.3	92.6	38.3	38.4	99.7	101.3	38.4	38.5	99.7	100.0	10.4	10.2	102.0	96.3	96	98	98.0	98.0
W2		5.5				37.3				38.2				11.0				97		
X2		3.8				38.0				39.6				10.5				98		
J2		5.6				38.6				38.7				10.5				96		
L2		6.1				37.9				38.0				10.6				96		
M2		5.4				38.4				38.5				10.6				95		
O2	5.0	5.0	100.0	92.6	37.5	37.5	100.0	99.2	38.6	38.6	100.0	100.5	11.0	11.0	100.0	101.8	96	100	96.0	98.0
S2	4.4			81.5	37.1			98.1	38.5			100.3	10.5			97.2	98			98.0
A3	5.1	5.2	98.1	94.4	37.5	37.3	100.5	99.2	38.6	38.3	100.8	100.5	11.0	11.0	100.0	101.8	101	100	101.0	103.1
D3	6.4			118.5	37.8			100.0	38.4			100.0	11.8			105.2	91			92.8
J3		5.3				37.5				38.5				11.1				92		
Q3	4.8	4.7	102.1	88.9	37.7	37.2	101.3	99.7	38.9	38.4	101.3	101.3	10.3	10.4	99.0	95.4	104	107	97.2	106.1
R3		5.7				38.2				38.5				10.9				95		
S3	5.0	5.2	96.2	92.6	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.0	11.3	97.3	101.8	111	106	104.7	113.3
U3	5.9	6.1	96.7	109.2	38.0	38.2	99.5	100.5	38.1	38.3	99.5	99.2					91	93	97.8	92.8
Z3		5.5				36.7				37.6				11.5				99		
B4		5.6				37.8				38.7				10.7				89		
C4		6.0				38.0				38.7				10.8				97		
I4	5.9	5.8	101.7	109.2	38.0	38.1	99.7	100.5	38.1	38.2	99.7	99.2	11.0	10.7	102.8	101.8	97	96	101.0	99.0
R4		4.2				37.6				39.1				12.0				98		

FKBG DATA				
CUR. AV.	5.4	38.0	38.6	10.9	97
CUM. AV.	5.4	37.8	38.4	10.8	98
IND. *D	100.0	100.5	100.5	100.9	99.0

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1982				NOVEMBER, 1982				DECEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	64.4	57.6	111.8	100.5	66.1	58.9	112.2	102.6	66.8	60.1	111.1	104.0
B1												
C1												
D1	74.1	71.4	103.8	115.6	76.6	72.3	105.9	118.9	78.1	73.4	106.4	121.6
E1	66.5			103.7	70.6	66.5	106.2	109.6		68.6		
H1												
J1												
M1	53.0	58.6	90.4	82.7	59.0	57.7	102.2	91.6	60.0	57.8	103.8	93.4
G1	67.0	62.6	107.0	104.5		63.3				63.3		
Q1	60.0	58.6	102.4	93.6	57.0	58.8	96.9	88.5	58.0	58.6	99.0	90.3
R1		61.2			60.0	61.2	98.0	93.2		61.0		
S1		68.0				68.0				68.0		
W1	59.6	57.3	104.0	93.0	55.9	57.6	97.0	86.8	63.3	57.4	110.3	98.6
H2												
I2												
J2	93.0	77.3	120.3	145.1	68.0	81.2	83.7	105.6		78.6		
L2		57.0				57.0				57.0		
M2	76.0	79.5	95.6	118.6	76.0	79.0	96.2	118.0		78.6		
Q2	64.0	64.7	98.9	99.8	61.0	64.6	94.4	94.7	61.0	64.1	95.2	95.0
S2									57.0			88.8
A3												
D3												
J3												
G3	67.0	68.4	98.0	104.5	67.0	68.2	98.2	104.0	66.0	68.0	97.0	102.8
R3	59.0	76.6	77.0	92.0	53.0	73.7	71.9	82.3		70.7		
S3	72.0	61.4	117.3	112.3	68.0	63.2	107.6	105.6	73.0	63.8	114.4	113.7
U3	68.0	62.2	109.3	106.1		63.2			61.0	63.2	96.5	95.0
Z3		64.2			63.0	64.2	98.1	97.8		63.8		
B4												
C4												
I4	46.0	53.3	86.3	71.8	52.0	52.3	99.4	80.7	55.0	52.2	105.4	85.7
R4												

FKBG DATA

CUR. AV.	66.0	63.5	63.6
CUM. AV.	64.1	64.4	64.2
IND. *D	103.0	98.6	99.1

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.7	5.7	100.0	101.8	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	12.5	11.8	105.9	105.0	104	104	100.0	98.1
C1	6.5	6.2	104.8	116.1	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	12.1	12.0	100.8	101.7	107	104	102.9	100.9
D1	5.5	5.6	98.2	98.2	41.3	41.4	99.8	99.3	42.3	42.4	99.8	99.8	11.3	11.8	95.8	95.0	110	109	100.9	103.8
E1	5.4	5.4	100.0	96.4	41.6	41.5	100.2	100.0	42.7	42.5	100.5	100.7	11.5	11.4	100.9	96.6	107	110	97.3	100.9
H1	5.9	5.9	100.0	105.4	41.4	41.7	99.3	99.5	42.3	42.6	99.3	99.8	11.9	11.8	100.8	100.0	106	102	103.9	100.0
J1	5.7	5.4	105.6	101.8	41.4	41.4	100.0	99.5	42.4	42.4	100.0	100.0	10.2	10.9	93.6	85.7	103	105	98.1	97.2
K1		5.0				41.4				42.6				13.0				103		
H1	6.0	6.2	96.8	107.1	41.6	41.6	100.0	100.0	42.4	42.3	100.2	100.0	12.4	11.7	106.0	104.2	108	108	100.0	101.9
O1	6.7	6.4	104.7	119.6	42.1	41.7	101.0	101.2	42.6	42.3	100.7	100.5	12.6	12.2	103.3	105.5	110	110	100.0	103.8
P1	6.1	6.0	101.7	108.9	41.7	41.5	100.5	100.2	42.5	42.4	100.2	100.2	11.9	11.6	102.6	100.0	99	102	97.0	93.4
Q1	5.8	5.2	111.5	103.6	41.4	41.2	100.5	99.5	42.3	42.4	99.8	99.8	10.9	11.1	98.2	91.6	105	104	101.0	99.0
R1	5.6	5.5	101.8	100.0	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.8	12.7	12.6	100.8	106.7	107	107	100.0	100.9
S1		5.7				42.0				42.0				12.3				116		
T1	6.1	6.2	98.4	108.9	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.5	11.6	11.3	102.6	97.5	105	104	101.0	99.0
W1	5.5	5.7	96.5	98.2	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.3	11.3	100.0	95.0	104	105	99.0	98.1
A2	5.3	5.4	98.1	94.6	41.7	41.4	100.7	100.2	42.8	42.4	100.9	100.9	12.9	13.0	99.2	108.4	100	99	101.0	94.3
G2	7.5	5.6	133.5	133.9	42.3	42.7	99.1	101.7	42.4	42.8	99.1	100.0	11.6	12.0	96.7	97.5	126	121	104.1	118.9
H2	6.1	5.9	103.4	108.9	41.5	41.4	100.2	99.8	42.2	42.2	100.0	99.5	12.2	12.1	100.8	102.5	99	101	98.0	93.4
I2	3.8	4.4	86.4	67.8	41.4	41.5	99.8	99.5	43.2	43.0	100.5	101.9	11.7	11.4	102.6	98.3	109	105	103.8	102.8
J2	5.2	5.6	92.8	92.8	42.4	42.4	100.0	101.9	42.5	42.5	100.0	100.2	11.7	11.6	100.9	98.3	110	104	105.8	103.8
K2		6.7				42.4				42.5				13.1				105		
M2		5.5				42.2				42.3				12.0				104		
O2	5.0	5.3	94.3	89.3	41.4	41.4	100.0	99.5	42.6	42.5	100.2	100.5	12.3	12.2	100.8	103.4	107	108	99.1	100.9
R2	6.4	6.6	97.0	114.3	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.2	11.6	96.6	94.1	104	104	100.0	98.1
S2	4.6	4.9	93.9	82.1	41.7	41.6	100.2	100.2	43.2	42.9	100.7	101.9	11.7	11.2	104.5	98.3	108	109	99.1	101.9
W2	4.9	4.3	114.0	87.5	41.3	41.5	99.5	99.3	41.7	41.9	99.5	98.3	12.4	12.8	96.9	104.2	102	101	101.0	96.2
Y2	5.8	5.7	101.8	103.6	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	10.4	11.2	92.8	87.4	106	106	100.0	100.0
A3	5.4	5.6	96.4	96.4	41.4	41.4	100.0	99.5	42.5	42.4	100.2	100.2	12.5	12.3	101.6	105.0	108	108	101.9	101.9
D3	6.6	6.4	103.1	117.8	41.8	41.7	100.2	100.5	42.3	42.4	99.8	99.8	12.2	12.5	97.6	102.5	99	99	100.0	93.4
G3	6.0	6.0	100.0	107.1	41.4	41.4	100.0	99.5	42.2	42.2	100.0	99.5	11.9	11.7	101.7	100.0	104	106	98.1	98.1
J3	5.4	5.4	100.0	96.4	41.4	41.4	100.0	99.5	42.5	42.5	100.0	100.2	12.6	12.4	101.6	105.9	102	101	101.0	96.2
Q3	4.7	4.7	100.0	83.9	41.0	41.0	100.0	98.6	42.4	42.4	100.0	100.0	11.8	11.7	100.8	99.2	113	113	100.0	106.6
R3	5.8	5.7	101.8	103.6	42.2	42.2	100.0	101.4	42.6	42.6	100.0	100.5	11.6	11.9	97.5	97.5	103	106	97.2	97.2
S3	5.5	5.6	98.2	98.2	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	12.6	12.6	100.0	105.9	112	112	100.0	105.7
U3	6.0	6.0	100.0	107.1	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					104	102	102.0	98.1
W3	6.2	6.6	93.9	110.7	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.5	11.9	96.6	96.6	105	106	99.0	99.0
Z3	6.0	5.6	107.1	107.1	40.8	40.7	100.2	98.1	41.6	41.7	99.8	98.1	12.9	12.4	104.0	108.4	105	104	101.0	99.0
B4	6.1	6.0	101.7	108.9	41.8	41.5	100.7	100.5	42.6	42.4	100.5	100.5	11.6	11.9	97.5	97.5	100	100	100.0	94.3
C4	5.8	5.6	103.6	103.6	41.6	41.6	100.0	100.0	42.5	42.5	100.0	100.2	12.0	12.3	97.6	100.8	103	105	98.1	97.2
I4	6.0	5.9	101.7	107.1	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	12.0	11.6	103.4	100.8	106	104	101.9	100.0
P4	5.2	5.0	104.0	92.8	41.0	41.0	100.0	98.6	42.1	42.2	99.8	99.3	11.0	11.7	94.0	92.4	113	114	99.1	106.6
R4	4.7	5.1	92.2	83.9	41.2	41.3	99.8	99.0	42.6	42.5	100.2	100.5	12.8	12.4	103.2	107.6	103	102	101.0	97.2
FKBG DATA																				
CUR. AV.	5.7				41.7				42.4				11.9				106			
CUM. AV.	5.6				41.6				42.4				11.9				106			
IND.																				
*D	101.8				100.2				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.5	5.7	96.5	98.2	42.3	42.2	100.2	101.7	42.4	42.3	100.2	100.0	11.7	11.8	99.2	98.3	104	104	100.0	98.1
C1	6.2	6.3	98.4	110.7	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	11.9	12.0	99.2	100.0	108	104	103.8	101.9
D1	5.6	5.5	101.8	100.0	41.6	41.4	100.5	100.0	42.6	42.4	100.5	100.5	11.8	11.8	100.0	99.2	105	109	96.3	99.0
E1	5.7	5.4	105.6	101.8	41.6	41.4	100.5	100.0	42.6	42.5	100.2	100.5	11.6	11.4	101.8	97.5	104	110	94.5	98.1
H1	5.6	5.9	94.9	100.0	41.5	41.7	99.5	99.8	42.5	42.6	99.8	100.2	12.3	11.9	103.4	103.4	106	103	102.9	100.0
J1	5.2	5.4	96.3	92.8	41.3	41.4	99.8	99.3	42.5	42.4	100.2	100.2	10.6	10.8	98.1	89.1	103	106	97.2	97.2
K1	4.4	5.0	88.0	78.5	41.0	41.4	99.0	98.6	42.5	42.6	99.8	100.2	13.3	13.0	102.3	111.8	106	103	102.9	100.0
M1	6.0	6.2	96.8	107.1	41.6	41.6	100.0	100.0	42.4	42.3	100.2	100.0	12.5	11.8	105.9	105.0	108	108	100.0	101.9
O1	6.8	6.5	104.6	121.4	41.8	41.7	100.2	100.5	42.3	42.3	100.0	99.8	12.4	12.2	101.6	104.2	110	109	100.9	103.8
P1	6.0	6.0	100.0	107.1	41.6	41.6	100.0	100.0	42.4	42.4	100.0	100.0	11.7	11.6	100.9	98.3	100	102	98.0	94.3
Q1	5.6	5.3	105.7	100.0	41.4	41.2	100.5	99.5	42.4	42.4	100.0	100.0	11.0	11.1	99.1	92.4	104	104	100.0	98.1
R1	5.6	5.5	101.8	100.0	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	12.8	12.6	101.6	107.6	106	107	99.1	100.0
S1		5.7				42.0				42.0				12.3				116		
T1	6.0	6.2	96.8	107.1	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	11.6	11.4	101.8	97.5	105	105	100.0	99.0
W1	5.9	5.6	105.4	105.4	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.2	11.3	99.1	94.1	106	105	101.0	100.0
A2	5.5	5.4	101.8	98.2	41.6	41.4	100.5	100.0	42.6	42.5	100.2	100.5	12.9	13.0	99.2	108.4	100	99	101.0	94.3
G2	7.5	5.8	129.3	133.9	42.8	42.7	100.2	102.9	42.9	42.8	100.2	101.2	11.8	12.0	98.3	99.2	122	122	100.0	115.1
H2	5.9	5.9	100.0	105.4	41.4	41.4	100.0	99.5	42.3	42.2	100.2	99.8	12.2	12.1	100.8	102.5	101	101	100.0	95.3
I2	3.8	4.4	86.4	67.8	41.4	41.5	99.8	99.5	43.2	43.0	100.5	101.9	11.7	11.4	102.6	98.3	105	106	99.0	99.0
J2	5.5	5.5	100.0	98.2	42.5	42.4	100.2	102.2	42.6	42.5	100.2	100.5	11.5	11.6	99.1	96.6	106	105	101.0	100.0
K2	5.2	6.7	77.6	92.8	42.0	42.4	99.0	101.0	42.1	42.5	99.0	99.3	13.1	13.1	100.0	110.1	106	105	101.0	100.0
M2	5.6	5.6	100.0	100.0	42.3	42.2	100.2	101.7	42.4	42.3	100.2	100.0	12.2	12.0	101.7	102.5	103	105	98.1	97.2
O2	5.0	5.2	96.2	89.3	41.4	41.4	100.0	99.5	42.6	42.5	100.2	100.5	12.5	12.2	102.4	105.0	106	108	98.1	100.0
R2	6.3	6.6	95.4	112.5	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.8	11.6	101.7	99.2	105	104	101.0	99.0
S2	4.7	4.9	95.9	83.9	41.6	41.6	100.0	100.0	43.0	42.9	100.2	101.4	11.6	11.2	103.6	97.5	110	109	100.9	103.8
W2	3.9	4.3	90.7	69.6	41.0	41.4	99.0	98.6	41.4	41.8	99.0	97.6	12.7	12.8	99.2	106.7	102	101	101.0	96.2
Y2	5.9	5.8	101.7	105.4	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	10.8	11.0	98.2	90.8	105	106	99.0	99.0
A3	5.7	5.6	101.8	101.8	41.4	41.4	100.0	99.5	42.4	42.4	100.0	100.0	12.4	12.3	100.8	104.2	105	106	99.0	99.0
D3	6.1	6.4	95.3	108.9	41.7	41.7	100.0	100.2	42.5	42.3	100.5	100.2	12.3	12.4	99.2	103.4	99	99	100.0	93.4
G3	5.7	6.0	95.0	101.8	41.3	41.4	99.8	99.3	42.2	42.3	99.8	99.5	11.8	11.7	100.8	99.2	107	106	100.9	100.9
J3	5.5	5.5	100.0	98.2	41.4	41.4	100.0	99.5	42.4	42.5	99.8	100.0	12.1	12.5	96.8	101.7	102	101	101.0	96.2
Q3	4.8	4.7	102.1	85.7	41.1	41.0	100.2	98.8	42.5	42.4	100.2	100.2	11.7	11.7	100.0	98.3	112	113	99.1	105.7
R3	5.8	5.7	101.8	103.6	42.1	42.2	99.8	101.2	42.5	42.6	99.8	100.2	11.9	11.9	100.0	100.0	102	105	97.1	96.2
S3	4.9	5.6	87.5	87.5	42.2	42.2	100.0	101.4	42.3	42.3	100.0	99.8	12.6	12.6	100.0	105.5	115	112	102.7	108.5
U3	5.9	6.0	98.3	105.4	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					101	103	98.0	95.3
W3	6.2	6.5	95.4	110.7	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	11.6	11.9	97.5	97.5	108	106	101.9	101.9
Z3	5.7	5.6	101.8	101.8	40.8	40.7	100.2	98.1	41.7	41.7	100.0	98.3	12.4	12.4	100.0	104.2	103	104	99.0	97.2
B4	5.9	6.0	98.3	105.4	41.9	41.5	101.0	100.7	42.8	42.4	100.9	100.9	11.8	11.8	100.0	99.2	100	100	100.0	94.3
C4	6.1	5.7	107.0	108.9	42.0	41.6	101.0	101.0	42.8	42.5	100.7	100.9	11.7	12.2	95.9	98.3	102	105	97.1	96.2
I4	6.0	5.9	101.7	107.1	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	12.2	11.6	105.2	102.5	104	104	100.0	98.1
P4	5.1	5.0	102.0	91.1	41.0	41.0	100.0	98.6	42.2	42.2	100.0	99.5	11.0	11.7	94.0	92.4	117	115	101.7	110.4
R4	5.1	5.1	100.0	91.1	41.4	41.3	100.2	99.5	42.6	42.5	100.2	100.5	12.6	12.4	101.6	105.9	105	102	102.9	99.0
FKBG DATA																				
CUR. AV.	5.6				41.7				42.4				12.0				106			
CUM. AV.	5.6				41.6				42.4				11.9				106			
IND. *D	100.0				100.2				100.0				100.8				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.5	5.7	96.5	98.2	42.3	42.2	100.2	101.4	42.4	42.3	100.2	100.0	11.5	11.8	97.4	96.6	101	104	97.1	95.3
C1	6.3	6.3	100.0	112.5	42.0	42.0	100.0	100.7	42.2	42.2	100.0	99.5	13.3	12.0	110.8	111.8	116	104	111.5	105.4
D1	5.5	5.5	100.0	98.2	41.5	41.4	100.2	99.5	42.5	42.4	100.2	100.2	11.9	11.8	100.8	100.0	106	109	97.2	100.0
E1	5.9	5.4	109.2	105.4	41.8	41.5	100.7	100.2	42.7	42.5	100.5	100.7	12.1	11.4	106.1	101.7	108	109	99.1	101.9
H1	6.0	5.9	101.7	107.1	41.5	41.7	99.5	99.5	42.3	42.6	99.3	99.8	12.0	11.9	100.8	100.8	102	103	99.0	96.2
J1	5.3	5.4	98.1	94.6	41.3	41.4	99.8	99.0	42.4	42.4	100.0	100.0	10.6	10.8	98.1	89.1	107	105	101.9	100.9
K1	4.7	4.9	95.9	83.9	41.4	41.3	100.2	99.3	42.8	42.6	100.5	100.9	13.2	13.0	101.5	110.9	104	104	100.0	98.1
M1	5.8	6.2	93.5	103.6	41.5	41.6	99.8	99.5	42.4	42.3	100.2	100.0	11.9	11.9	100.0	100.0	110	108	101.8	103.8
O1	6.3	6.5	96.9	112.5	41.6	41.7	99.8	99.8	42.3	42.3	100.0	99.8	12.5	12.3	101.6	105.0	109	109	100.0	102.8
P1	5.9	6.0	98.3	105.4	41.6	41.6	100.0	99.8	42.5	42.4	100.2	100.2	11.4	11.7	97.4	95.8	101	101	100.0	95.3
Q1	5.9	5.3	111.3	105.4	41.6	41.2	101.0	99.8	42.5	42.4	100.2	100.2	11.0	11.0	100.0	92.4	105	104	101.0	99.0
R1	5.4	5.5	98.2	96.4	42.2	42.1	100.2	101.2	42.3	42.2	100.2	99.8	12.8	12.6	101.6	107.6	107	107	100.0	100.9
S1		5.7				42.0				42.0				12.3				116		
T1	6.0	6.2	96.8	107.1	42.2	42.2	100.0	101.2	42.3	42.3	100.0	99.8	11.4	11.4	100.0	95.8	105	105	100.0	99.0
U1	5.9	5.6	105.4	105.4	42.1	42.1	100.0	101.0	42.2	42.2	100.0	99.5	11.1	11.2	99.1	93.3	106	105	101.0	100.0
A2	5.5	5.4	101.8	98.2	41.8	41.4	101.0	100.2	42.8	42.5	100.7	100.9	13.0	12.9	100.8	109.2	100	99	101.0	94.3
G2	7.5	5.9	127.1	133.9	42.4	42.7	99.3	101.7	42.5	42.8	99.3	100.2	11.6	12.0	96.7	97.5	115	122	94.3	108.5
H2	5.8	6.0	96.7	103.6	41.4	41.4	100.0	99.3	42.3	42.2	100.2	99.8	12.2	12.2	100.0	102.5	102	101	101.0	96.2
I2	3.1	4.3	72.1	55.4	41.3	41.5	99.5	99.0	43.4	43.0	100.9	102.4	11.7	11.4	102.6	98.3	105	106	99.0	99.0
J2	5.2	5.6	92.8	92.8	42.7	42.4	100.7	102.4	42.8	42.5	100.7	100.9	11.5	11.6	99.1	96.6	105	105	100.0	99.0
K2		6.0				42.2				42.3				13.1				106		
M2	5.8	5.6	91.1	91.1	42.5	42.2	100.7	101.9	42.6	42.3	100.7	100.5	12.3	12.0	102.5	103.4	106	104	101.9	100.0
O2	5.1	5.2	98.1	91.1	41.7	41.4	100.7	100.0	42.9	42.5	100.9	101.2	12.4	12.2	101.6	104.2	102	108	94.4	96.2
R2	6.4	6.5	98.5	114.3	42.1	42.0	100.2	101.0	42.2	42.1	100.2	99.5	12.2	11.6	105.2	102.5	105	104	101.0	99.0
S2	4.5	4.9	91.8	80.4	41.4	41.6	99.5	99.3	42.9	43.0	99.8	101.2	11.6	11.3	102.6	97.5	106	109	97.2	100.0
W2	4.9	4.4	111.4	87.5	41.5	41.4	100.2	99.5	41.9	41.8	100.2	98.8	13.0	12.7	102.4	109.2	100	101	99.0	94.3
Y2	5.7	5.8	98.3	101.8	42.1	42.0	100.2	101.0	42.3	42.2	100.2	99.8	10.6	11.0	96.4	89.1	105	106	99.0	99.0
A3	5.1	5.6	91.1	91.1	41.4	41.4	100.0	99.3	42.6	42.4	100.5	100.5	12.4	12.3	100.8	104.2	107	106	100.9	100.9
D3	6.7	6.4	104.7	119.6	41.8	41.7	100.2	100.2	42.3	42.2	100.2	99.8	12.4	12.4	100.0	104.2	99	99	100.0	93.4
G3	5.9	5.9	100.0	105.4	41.4	41.4	100.0	99.3	42.3	42.3	100.0	99.8	11.9	11.7	101.7	100.0	104	107	97.2	98.1
J3	5.2	5.5	94.5	92.8	41.4	41.4	100.0	99.3	42.6	42.5	100.2	100.5	12.0	12.5	96.0	100.8	102	101	101.0	96.2
Q3	4.7	4.7	100.0	83.9	41.0	41.0	100.0	98.3	42.4	42.5	99.8	100.0	11.8	11.7	100.8	99.2	109	113	96.5	102.8
R3	5.8	5.8	100.0	103.6	42.2	42.2	100.0	101.2	42.6	42.6	100.0	100.5	11.7	11.9	98.3	98.3	103	105	98.1	97.2
S3		5.5				42.2				42.3				12.6				112		
U3	6.1	6.0	101.7	108.9	42.0	42.0	100.0	100.7	42.1	42.1	100.0	99.3					103	103	100.0	97.2
W3	6.1	6.4	95.3	108.9	42.2	42.0	100.5	101.2	42.3	42.1	100.5	99.8	11.3	11.8	95.8	95.0	106	106	100.0	100.0
Z3	5.7	5.6	101.8	101.8	40.8	40.7	100.2	97.8	41.7	41.7	100.0	98.3	12.4	12.4	100.0	104.2	106	104	101.9	100.0
B4	5.9	6.0	98.3	105.4	41.8	41.6	100.5	100.2	42.7	42.4	100.7	100.7	11.8	11.8	100.0	99.2	101	100	101.0	95.3
C4	5.9	5.7	103.5	105.4	41.9	41.6	100.7	100.5	42.8	42.6	100.5	100.9	11.8	12.2	96.7	99.2	101	105	96.2	95.3
I4		5.9				42.0				42.2				11.7				105		
P4	5.1	5.0	102.0	91.1	42.2	41.0	102.9	101.2	43.4	42.2	102.8	102.4	11.1	11.6	95.7	93.3	117	115	101.7	110.4
R4	4.6	5.0	92.0	82.1	41.0	41.3	99.3	98.3	42.4	42.5	99.8	100.0	12.8	12.4	103.2	107.6	104	102	102.0	98.1
FKBG DATA																				
CUR. AV.	5.6				41.8				42.5				12.0				105			
CUM. AV.	5.6				41.7				42.4				11.9				106			
IND. *D	100.0				100.2				100.2				100.8				99.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1982				NOVEMBER, 1982				DECEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	69.0	65.5	105.3	97.0	71.4	66.1	108.0	100.4	67.9	66.8	101.6	95.5
C1												
D1	83.5	86.0	97.1	117.4	87.0	85.2	102.1	122.4	87.7	85.6	102.4	123.3
E1	77.0	74.6	103.2	108.3	79.6	75.4	105.6	112.0	78.8	76.4	103.1	110.8
H1												
J1	67.0	62.8	106.7	94.2	63.0	63.4	99.4	88.6	66.0	63.4	104.1	92.8
K1												
M1	63.0	64.5	97.7	88.6	67.0	64.3	104.2	94.2	61.0	64.6	94.4	85.8
O1	75.0	72.0	104.2	105.5	74.0	72.4	102.2	104.1	72.0	72.6	99.2	101.3
P1												
Q1	63.0	64.0	98.4	88.6	68.0	63.8	106.6	95.6	65.0	64.4	100.9	91.4
R1	63.0	67.3	93.6	98.6	65.0	66.7	97.4	91.4	66.0	66.5	99.2	92.8
S1		77.0				77.0				77.0		
T1	67.0	68.0	98.5	94.2	68.0	67.8	100.3	95.6	71.0	67.9	104.6	99.8
W1	64.4	63.9	100.8	90.6	66.7	64.0	104.2	93.8	70.0	64.3	108.9	98.4
A2	68.0	56.5	120.4	95.6	56.0	58.1	96.4	78.8	56.0	57.9	96.7	78.8
G2	82.0	74.5	110.1	115.3	74.0	75.6	97.9	104.1	85.0	75.4	112.7	115.5
H2												
I2												
J2	100.0	92.5	108.1	140.6	99.0	93.6	105.8	135.2	83.0	94.2	88.1	116.7
K2												
M2		94.2				94.2				94.2		
O2	75.0	74.7	100.4	105.5	73.0	74.7	97.7	102.7	69.0	74.5	92.6	97.0
R2												
S2	73.0	72.3	101.0	102.7	68.0	72.4	93.9	95.6	67.0	71.9	93.2	94.2
W2	61.0	59.0	103.4	85.8	60.0	59.3	101.2	84.4	58.0	59.4	97.6	81.6
Y2									84.3			118.6
A3												
D3												
G3												
J3												
C3	74.0	73.2	101.1	104.1	75.0	73.3	102.3	105.5	74.0	73.5	100.7	104.1
R3	70.0	83.9	83.4	98.4	67.5	81.9	82.4	94.9	70.0	80.1	87.4	98.4
S3	57.0	64.0	89.1	80.2	67.0	62.2	107.7	94.2		63.2		
U3	79.0	70.2	112.5	111.1	66.0	71.7	92.0	92.8	69.0	70.8	97.4	97.0
W3												
Z3	64.7	73.2	88.4	91.0	69.0	71.8	96.1	97.0	67.6	71.4	94.7	95.1
B4												
C4												
I4	60.0	64.8	92.6	84.4	60.0	64.0	93.8	84.4		63.4		
P4	79.0	78.8	100.2	111.1	80.0	78.8	101.5	112.5	74.0	79.0	93.7	104.1
R4												

FKBG DATA

CUR. AV.	71.1				70.6				71.0			
CUM. AV.	71.1				71.1				71.1			
IND. *D	100.0				99.3				99.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G.			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.4	6.8	94.1	103.2	69.3	69.1	100.3	101.0	69.5	69.3	100.3	100.1	18.8	17.8	105.6	95.9	146	143	102.1	102.8
D1	6.0	6.0	100.0	96.8	68.1	68.2	99.8	99.3	69.5	69.6	99.8	100.1	19.3	19.3	97.5	98.5	141	142	99.3	99.3
E1		6.0				68.4				69.8				19.8				141		
H1	6.9	6.9	100.0	111.3	68.7	69.0	99.6	100.1	69.4	69.7	99.6	100.0	19.5	19.4	100.5	99.5	144	139	103.6	101.4
J1	6.1	6.0	101.7	98.4	68.2	68.1	100.1	99.4	69.4	69.4	100.0	100.0	17.7	17.7	100.0	90.3	137	139	98.6	96.5
M1	6.6	6.8	97.0	106.4	68.5	68.7	99.7	99.8	69.4	69.5	99.8	100.0	20.2	19.4	104.1	103.1	146	147	99.3	102.8
O1		7.0				69.1				69.6				19.8				140		
P1	6.9	6.8	101.5	111.3	68.7	68.7	100.0	100.1	69.4	69.5	99.8	100.0	20.5	19.6	104.6	104.6	131	137	95.6	92.2
R1	6.0	5.8	103.4	96.8	69.1	69.3	99.7	100.7	69.3	69.5	99.7	99.8	20.9	20.6	101.4	106.8	136	140	97.1	95.8
S1		6.0				68.9				69.1				20.1				150		
T1	7.1	7.2	98.6	114.5	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	19.4	19.4	100.0	99.0	140	139	100.7	98.6
W1	6.1	6.2	98.4	98.4	69.2	69.0	100.3	100.9	69.4	69.2	100.3	100.0	18.4	18.3	100.5	93.9	140	148	94.6	98.6
C2	6.6	6.4	103.1	106.4	68.0	68.1	99.8	99.1	68.9	69.1	99.7	99.3	19.0	19.4	97.9	96.5	140	140	100.0	98.6
G2	7.5	6.3	119.0	121.0	69.1	69.5	99.4	100.7	69.3	69.7	99.4	99.8	18.7	19.3	96.9	95.4	165	160	105.6	115.0
H2		6.6				68.6				69.5				19.9				135		
I2	4.7	4.9	95.9	75.8	68.7	68.4	100.4	100.1	71.0	70.6	100.6	102.3	19.2	19.1	100.5	98.0	143	141	101.4	100.7
J2	5.3	6.0	88.3	85.5	69.7	69.3	100.6	101.6	69.9	69.5	100.6	100.7	19.8	19.2	103.1	101.0	138	138	100.0	97.2
R2		6.2				69.0				69.2				19.5				136		
S2	6.7	6.9	97.1	108.1	68.3	68.4	99.8	99.6	69.1	69.0	100.1	99.6	18.5	18.0	102.8	94.4	146	147	99.3	102.8
W2	5.4	5.0	108.0	87.1	67.6	67.8	99.7	98.5	68.2	68.4	99.7	98.3	20.6	21.0	98.1	105.1	145	144	100.7	102.1
Y2		6.1				69.1				69.4				19.9				141		
A3	6.3	5.9	106.8	101.6	68.3	68.2	100.1	99.6	69.4	69.6	99.7	100.0	20.5	20.3	101.0	104.6	140	140	100.0	98.6
D3	7.3	7.3	100.0	117.7	69.2	69.3	99.8	100.9	69.5	69.6	99.8	100.1	19.2	19.3	99.5	98.0	137	138	99.3	98.5
G3		6.3				68.4				69.5				19.6				132		
P3	6.0	5.8	103.4	96.8	68.7	68.4	100.4	100.1	70.1	69.9	100.3	101.0	19.0	19.1	99.5	96.9	143	145	98.6	100.7
T3	6.5	6.4	101.6	104.8	69.1	69.3	99.7	100.7	69.7	69.9	99.7	100.4	19.3	19.2	100.5	98.5	142	146	97.3	100.0
U3		6.1				68.9				69.1								138		
Z3	6.3	6.0	105.0	101.6	67.1	67.3	99.7	97.8	68.2	68.6	99.4	98.3	21.9	21.5	101.9	111.7	148	139	106.5	104.2
C4	6.2	6.0	103.3	100.0	68.5	68.4	100.1	99.8	69.7	69.7	100.0	100.4	20.9	21.2	98.6	106.8	143	137	104.4	100.7
P4	5.4	4.9	110.2	87.1	67.5	67.1	100.6	98.4	69.3	69.2	100.1	99.8	18.6	20.1	92.5	94.9	185	152	121.7	130.3
R4		6.0				68.2				69.6				19.7				139		

FKBG DATA

CUR. AV.	6.3	68.6	69.4	19.5	144
CUM. AV.	6.2	68.6	69.4	19.6	142
IND. *D	101.6	100.0	100.0	99.5	101.4

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.7	6.8	98.5	108.1	68.9	69.1	99.7	100.4	69.1	69.3	99.7	99.6	17.7	17.9	98.9	90.8	142	144	98.6	100.0
D1	6.2	6.0	103.3	100.0	68.6	68.2	100.6	100.0	69.8	69.6	100.3	100.6	20.1	19.8	101.5	103.1	147	141	104.2	103.5
E1	6.2	6.0	103.3	100.0	68.7	68.4	100.4	100.1	69.9	69.8	100.1	100.7	19.2	19.7	97.5	98.5	138	141	97.9	97.2
H1	6.8	6.9	98.6	109.7	68.6	69.0	99.4	100.0	69.4	69.8	99.4	100.0	19.2	19.4	99.0	98.5	143	139	102.9	100.7
J1	6.0	6.0	100.0	96.8	68.1	68.1	100.0	99.3	69.5	69.4	100.1	100.1	18.0	17.7	101.7	92.3	136	139	97.8	95.8
M1	6.5	6.8	95.6	104.8	68.6	68.7	99.8	100.0	69.6	69.5	100.1	100.3	20.4	19.6	104.1	104.6	141	146	96.6	95.3
O1	7.2	7.0	102.8	116.1	69.2	69.1	100.1	100.9	69.7	69.6	100.1	100.4	20.0	19.9	100.5	102.6	140	140	100.0	98.6
P1		6.8				68.7				69.5				19.7				137		
R1	5.8	5.9	98.3	93.5	69.2	69.3	99.8	100.9	69.4	69.5	99.8	100.0	20.5	20.6	99.5	105.1	142	140	101.4	100.0
S1		6.0				68.9				69.1				20.1				150		
T1	6.9	7.1	97.2	111.3	69.1	69.2	99.8	100.7	69.3	69.4	99.8	99.8	19.4	19.5	99.5	99.5	138	139	99.3	97.2
W1	6.3	6.2	101.6	101.6	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	18.1	18.2	99.4	92.8	144	147	98.0	101.4
C2	6.5	6.5	100.0	104.8	67.9	68.1	99.7	99.0	68.9	69.1	99.7	99.3	19.2	19.4	99.0	98.5	140	140	100.0	98.6
G2	7.5	6.4	117.2	121.0	69.1	69.5	99.4	100.7	69.3	69.7	99.4	99.8	19.0	19.2	99.0	97.4	174	160	108.8	122.5
H2		6.4				68.5				69.6				20.2				135		
I2	4.5	4.9	91.8	72.6	68.6	68.5	100.1	100.0	71.1	70.7	100.6	102.4	19.2	19.2	100.0	98.5	144	141	102.1	101.4
J2	5.9	6.0	98.3	95.2	69.2	69.4	99.7	100.9	69.4	69.6	99.7	100.0	19.5	19.3	101.0	100.0	137	138	99.3	96.5
R2	6.2	6.2	100.0	100.0	69.0	69.0	100.0	100.6	69.2	69.2	100.0	99.7	19.8	19.5	101.5	101.5	135	136	99.3	95.1
S2	6.9	6.9	100.0	111.3	68.4	68.4	100.0	99.7	69.1	69.0	100.1	99.6	18.6	18.0	103.3	95.4	143	147	97.3	100.7
W2	5.2	5.0	104.0	83.9	67.4	67.8	99.4	98.2	68.0	68.4	99.4	98.0	21.1	20.9	101.0	108.2	144	145	99.3	101.4
Y2	6.9	6.3	109.5	111.3	68.9	69.1	99.7	100.4	69.2	69.4	99.7	99.7	19.2	20.0	96.0	98.5	141	141	100.0	99.3
A3	5.8	5.9	98.3	93.5	68.0	68.2	99.7	99.1	69.5	69.6	99.8	100.1	20.3	20.4	99.5	104.1	141	140	100.7	99.3
D3	7.4	7.4	100.0	119.4	69.4	69.3	100.1	101.2	69.7	69.6	100.1	100.4	19.3	19.2	100.5	99.0	138	137	100.7	97.2
G3		6.3				68.4				69.5				19.6				132		
P3	6.0	5.8	103.4	96.8	68.4	68.3	100.1	99.7	69.8	69.8	100.0	100.6	19.5	19.1	102.1	100.0	141	144	97.9	95.3
T3	6.6	6.4	103.1	106.4	69.1	69.2	99.8	100.7	69.7	69.8	99.8	100.4	19.1	19.2	99.5	97.9	141	145	97.2	99.3
U3		6.1				68.9				69.1								138		
Z3	6.2	6.1	101.6	100.0	67.0	67.2	99.7	97.7	68.1	68.5	99.4	98.1	21.4	21.6	99.1	105.7	149	141	105.7	104.9
C4	6.4	6.1	104.9	103.2	68.6	68.4	100.3	100.0	69.6	69.7	99.8	100.3	21.1	21.1	100.0	108.2	138	138	100.0	97.2
P4	5.6	5.0	112.0	90.3	67.7	67.1	100.9	98.7	69.3	69.2	100.1	99.8	18.7	20.0	93.5	95.9	161	155	103.9	113.4
R4		6.0				68.2				69.6				19.7				139		
FKBG DATA																				
CUR. AV.	6.3				68.6				69.4				19.5				143			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. *D	101.6				100.0				100.0				100.0				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIx

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., #A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C	CUR. AV.	CUM. AV.	FACT. #B	IND. #C
A1	7.0	6.8	102.9	112.9	69.0	69.1	99.8	100.6	69.2	69.3	99.8	99.7	18.0	17.8	101.1	92.3	133	143	93.0	93.7
D1	5.8	5.9	98.3	93.5	68.1	68.2	99.8	99.3	69.6	69.6	100.0	100.3	19.8	19.8	100.0	101.5	137	142	96.5	96.5
E1	6.3	6.0	105.0	101.6	68.6	68.5	100.1	100.0	69.7	69.8	99.8	100.4	20.6	19.7	104.6	105.6	138	141	97.9	97.2
H1	6.9	6.9	100.0	111.3	68.8	69.0	99.7	100.3	69.5	69.7	99.7	100.1	18.9	19.5	96.9	96.9	148	140	105.7	104.2
J1	5.8	6.0	96.7	93.5	68.0	68.1	99.8	99.1	69.5	69.4	100.1	100.1	17.9	17.7	101.1	91.8	137	139	98.6	96.5
M1	6.3	6.8	92.6	101.6	68.4	68.7	99.6	99.7	69.5	69.5	100.0	100.1	20.1	19.7	102.0	103.1	142	145	97.9	100.0
O1		7.0				69.1				69.7				19.9				140		
P1	6.3	6.8	92.6	101.6	68.6	68.7	99.8	100.0	69.7	69.5	100.3	100.4	19.5	19.8	98.5	100.0	137	136	100.7	96.5
R1	5.7	5.8	98.3	91.9	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	20.9	20.6	101.4	107.2	138	140	98.6	97.2
S1		6.0				68.9				69.1				20.1				150		
T1	6.9	7.0	98.6	111.3	69.2	69.2	100.0	100.9	69.4	69.4	100.0	100.0	19.6	19.5	100.5	100.5	138	139	99.3	97.2
W1	6.2	6.2	100.0	100.0	68.9	69.0	99.8	100.4	69.1	69.2	99.8	99.6	18.3	18.1	101.1	93.8	141	146	96.6	99.3
C2	6.6	6.5	101.5	106.4	68.1	68.0	100.1	99.3	69.0	69.0	100.0	99.4	19.5	19.3	101.0	100.0	139	140	99.3	97.9
G2	7.5	6.5	115.4	121.0	69.4	69.5	99.8	101.2	69.6	69.7	99.8	100.3	18.9	19.2	98.4	96.9	161	162	99.4	113.4
H2		6.3				68.4				69.6				20.6				134		
I2	3.8	4.9	77.6	61.3	68.0	68.6	99.1	99.1	70.9	70.8	100.1	102.2	19.5	19.2	101.6	100.0	146	142	102.8	102.8
J2	5.6	5.5	94.9	90.3	69.4	69.3	100.1	101.2	69.6	69.5	100.1	100.3	19.2	19.3	99.5	98.5	139	138	100.7	97.9
R2	6.5	6.2	104.8	104.8	69.1	69.0	100.1	100.7	69.3	69.2	100.1	99.8	20.4	19.6	104.1	104.6	133	136	97.8	93.7
S2	6.9	6.9	100.0	111.3	68.3	68.4	99.8	99.6	69.0	69.0	100.0	99.4	18.4	18.0	102.2	94.4	142	146	97.3	100.0
W2	5.6	5.1	109.8	90.3	67.9	67.7	100.3	99.0	68.5	68.3	100.3	98.7	20.6	20.9	98.6	105.6	143	145	98.6	100.7
Y2		6.6				69.1				69.4				20.0				141		
A3	5.2	5.9	88.1	83.9	67.7	68.1	99.4	98.7	69.6	69.6	100.0	100.3	20.3	20.4	99.5	104.1	139	140	99.3	97.9
D3	7.5	7.4	101.4	121.0	69.3	69.3	100.0	101.0	69.5	69.6	99.8	100.1	19.5	19.2	101.6	100.0	138	137	100.7	97.2
G3		6.3				68.4				69.5				19.6				132		
P3	6.1	5.8	105.2	98.6	68.5	68.2	100.4	99.8	69.7	69.8	99.8	100.4	19.0	19.1	99.5	97.4	140	144	97.2	98.6
T3	6.6	6.4	103.1	106.6	69.0	69.2	99.7	100.6	69.6	69.8	99.7	100.3	18.9	19.2	98.4	96.9	140	145	96.6	98.6
U3	6.4	6.1	104.9	103.2	69.0	68.9	100.1	100.6	69.2	69.1	100.1	99.7					147	138	106.5	103.5
W3	6.1			98.4	69.3			101.0	69.5			100.1	19.8			101.5	137			96.5
Z3	6.0	6.1	98.4	96.8	67.0	67.2	99.7	97.7	68.3	68.4	99.8	98.4	21.6	21.6	100.0	110.8	148	142	104.2	104.2
C4	5.6	6.1	91.8	90.3	68.2	68.4	99.7	99.4	69.8	69.7	100.1	100.6	20.4	21.2	96.2	104.6	139	138	100.7	97.9
P4		5.1				67.2				69.2				19.8				156		
R4	5.9	6.0	98.3	95.2	68.3	68.2	100.1	99.6	69.7	69.6	100.1	100.4	19.5	19.6	99.5	100.0	144	140	102.8	101.4
FNBG DATA																				
CUR. AV.	6.2				68.6				69.4				19.6				141			
CUM. AV.	6.2				68.6				69.4				19.5				142			
IND. #D	100.0				100.0				100.0				100.5				99.3			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1982				NOVEMBER, 1982				DECEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	115.4	106.0	108.9	97.7	109.6	107.3	102.1	92.7	112.5	107.6	104.6	95.1
D1	130.2	115.8	106.7	110.2	126.6	125.0	101.3	107.1	133.4	125.5	106.3	112.8
E1		122.8			116.4	122.8	94.8	98.5	109.3	119.6	91.4	92.4
H1												
J1	107.0	108.7	98.4	90.6	113.0	108.4	104.2	95.6	114.0	109.0	104.6	96.4
M1	119.0	109.5	108.7	100.8	116.0	110.8	104.7	98.1	90.0	111.5	80.7	76.1
O1		136.8			150.0	136.8	109.6	126.9		139.4		
P1												
R1	95.0	107.2	88.6	80.4	104.0	105.4	98.7	88.0	100.0	105.2	95.0	84.5
S1		125.3				125.3				125.3		
T1	123.0	124.5	98.8	104.1	118.0	124.3	94.9	99.8	125.0	123.5	101.2	105.7
W1	116.2	112.9	102.9	98.4	114.3	113.5	100.7	98.7	115.9	113.6	102.0	98.0
C2												
G2	117.0	111.5	104.9	99.1	133.0	112.3	118.4	112.5	135.0	114.9	117.5	114.1
H2												
I2												
J2	155.0	142.3	108.9	131.2	141.0	144.1	97.8	119.3	129.0	143.8	89.7	109.0
R2												
S2	125.0	125.3	99.8	105.8	119.0	125.3	95.0	100.7	122.0	124.5	98.0	103.1
W2	101.0	95.5	105.8	85.5	94.0	96.3	97.6	79.5	93.0	96.0	96.9	78.6
Y2												
A3												
D3												
G3												
P3		123.5				123.5				123.5		
T3	117.0	129.1	90.6	99.1	110.7	127.4	86.9	93.6	116.0	125.3	92.6	98.0
U3		124.0				124.0			126.0	124.0	101.6	106.5
W3												
Z3	117.7	117.5	100.2	99.7	109.4	117.6	93.0	92.6	126.6	115.9	109.2	107.0
C4												
P4	126.0	125.0	100.8	106.7	124.0	125.2	99.0	104.9		125.0		
R4												

FKBG DATA			
CUR. AV.	118.9	118.7	116.5
CUM. AV.	118.1	118.2	118.3
IND. *D	100.7	100.4	98.5

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

OCTOBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., LB / M SQ FT *A				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.8	6.6	103.0	106.2	90.1	90.3	99.8	100.6	90.4	90.6	99.8	99.8	24.2	24.2	100.0	94.9	176	172	102.3	102.3
E1		5.9				89.5				91.4				25.9				169		
J1	6.1	6.0	101.7	95.3	89.0	88.8	100.2	99.3	90.6	90.5	100.1	100.0	23.4	23.9	97.9	91.8	165	169	97.6	95.9
M1	6.9	7.2	95.8	107.3	89.6	89.7	99.9	100.0	90.5	90.4	100.1	99.9	25.6	24.6	104.1	100.4	180	180	100.0	104.6
R1	5.9	6.0	98.3	92.2	90.2	90.2	100.0	100.7	90.5	90.5	100.0	99.9	26.8	27.2	98.5	105.1	161	164	98.2	93.6
S1		6.2				89.4				89.7				27.3				183		
W1		5.8				90.3				90.6				24.7				173		
C2	6.4	6.5	98.5	100.3	89.2	88.8	100.4	99.6	90.5	90.0	100.6	99.9	25.5	25.5	98.4	100.0	173	178	97.2	100.6
G2	7.5	6.7	111.9	117.2	90.1	91.0	99.0	100.6	90.4	91.3	99.0	99.8	24.5	25.2	97.2	96.1	204	181	112.7	118.6
S2	6.9	7.1	97.2	107.8	89.8	89.5	100.3	100.2	90.7	90.2	100.6	100.1	23.9	23.4	102.1	93.7	179	176	101.7	104.1
A3	7.2	6.5	110.8	112.5	89.2	89.5	99.7	99.6	89.8	90.8	98.9	99.1	26.8	27.1	98.9	105.1	168	169	99.4	97.7
P3	6.1	6.0	101.7	95.3	89.9	89.3	100.7	100.3	91.5	91.0	100.5	101.0	25.2	24.9	101.2	98.8	158	160	98.8	91.9
T3		6.4				90.3				91.1				25.8				172		
C4	6.9	6.6	104.5	107.8	90.0	89.6	100.4	100.4	90.9	90.8	100.1	100.3	26.6	26.6	100.0	104.3	172	165	104.2	100.0
P4	5.6	5.1	109.8	87.5	88.1	87.8	100.3	98.3	90.2	90.4	99.8	99.6	23.7	26.6	89.1	92.9	154	175	110.8	112.8
R4	5.1	6.1	83.6	79.7	88.9	89.5	99.3	99.2	91.5	91.1	100.4	101.0	27.5	26.7	103.0	107.8	181	168	107.7	105.2
FKBG DATA																				
CUR. AV.	6.4				89.5				90.6				25.3				176			
CUM. AV.	6.4				89.6				90.6				25.5				172			
IND. *D	100.0				99.9				100.0				99.2				102.3			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

NOVEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.6	6.7	83.6	87.5	90.4	90.2	100.2	101.0	90.7	90.5	100.2	100.1	24.1	24.3	99.2	94.9	165	172	95.9	95.9
E1		5.9				89.5				91.4				25.9				169		
J1	6.3	6.0	105.0	98.4	89.3	88.7	100.7	99.8	90.7	90.5	100.2	100.1	22.9	23.8	96.2	90.2	163	168	97.0	94.8
M1	7.0	7.2	97.2	109.4	90.2	89.8	100.4	100.8	91.0	90.4	100.7	100.4	25.5	24.8	102.8	100.4	186	179	103.9	108.1
R1	6.0	6.0	100.0	93.8	90.2	90.2	100.0	100.8	90.5	90.5	100.0	99.9	27.1	27.2	99.6	106.7	161	164	98.2	93.6
S1		6.2				89.4				89.7				27.3				183		
W1		5.8				90.3				90.6				24.7				173		
C2	6.6	6.5	101.5	103.1	89.3	88.8	100.6	99.8	90.5	90.0	100.6	99.9	25.6	25.8	99.2	100.8	178	177	100.6	103.5
G2	7.5	6.8	110.3	117.2	90.8	90.9	99.9	101.4	91.1	91.2	99.9	100.6	25.6	25.2	101.6	100.8	194	183	106.0	112.8
S2	6.9	7.1	97.2	107.8	89.2	89.5	99.7	99.7	90.1	90.2	99.9	99.4	23.6	23.4	100.8	92.9	176	177	99.4	102.3
W2	8.7			135.9	88.7			99.1	89.5			98.8	28.1			110.6	173			100.6
A3	6.7	6.5	103.1	104.7	89.3	89.4	99.9	99.8	90.4	90.6	99.8	99.8	26.7	27.0	98.9	105.1	165	169	97.6	95.9
P3	6.2	6.0	103.3	96.9	90.4	89.3	101.2	101.0	91.9	91.0	101.0	101.4	26.3	24.9	105.6	103.5	157	159	98.7	91.3
T3		6.5				90.4				91.2				25.8				173		
C4	6.3	6.6	95.4	98.4	89.6	89.6	100.0	100.1	91.0	90.8	100.2	100.4	26.9	26.6	101.1	105.9	159	166	95.8	92.4
P4	6.0	5.3	113.2	93.8	88.6	87.9	100.8	99.0	90.4	90.3	100.1	99.8	24.8	26.2	94.6	97.6	154	179	108.4	112.8
R4	5.7	6.0	95.0	89.1	89.4	89.4	100.0	99.9	91.5	91.2	100.3	101.0	25.7	26.7	96.2	101.2	166	170	97.6	96.5
FKBG DATA																				
CUR. AV.	6.6				89.6				90.7				25.6				172			
CUM. AV.	6.4				89.5				90.6				25.4				172			
IND. *D	103.1				100.1				100.1				100.8				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

DECEMBER, 1982

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.7	6.6	101.5	104.7	90.7	90.2	100.6	101.2	91.0	90.5	100.6	100.4	23.2	24.2	95.9	91.3	176	172	102.3	102.3
E1		5.9				89.5				91.4				25.9				169		
J1	6.0	6.0	100.0	93.8	89.1	88.8	100.3	99.4	90.9	90.5	100.4	100.3	23.6	23.7	99.6	92.9	165	168	98.2	95.9
M1	6.8	7.1	95.8	106.2	90.0	89.8	100.2	100.4	91.0	90.4	100.7	100.4	26.4	24.9	106.0	103.9	176	178	98.9	102.3
R1	6.1	6.0	101.7	95.3	90.3	90.2	100.1	100.8	90.6	90.5	100.1	100.0	27.2	27.2	100.0	107.1	161	163	98.8	93.6
S1		6.2				89.4				89.7				27.3				183		
H1		5.8				90.3				90.6				24.7				173		
C2	6.5	6.5	100.0	101.6	89.3	88.8	100.6	99.7	90.6	90.1	100.6	100.0	26.2	25.9	101.2	103.1	176	177	99.4	102.3
G2	7.5	6.9	108.7	117.2	90.7	90.9	99.8	101.2	91.0	91.2	99.8	100.4	25.0	25.2	99.2	98.4	173	184	94.0	100.6
S2	7.1	7.1	100.0	110.9	89.5	89.5	100.0	99.9	90.2	90.2	100.0	99.6	23.5	23.3	100.8	92.5	174	177	98.3	101.2
H2		8.7				88.7				89.5				28.1				173		
A3	5.9	6.5	90.8	92.2	88.7	89.3	99.3	99.0	90.6	90.6	100.0	100.0	26.9	27.0	99.6	105.9	159	168	94.6	92.4
P3	6.3	5.9	106.8	98.6	89.7	89.4	100.3	100.1	91.1	91.1	100.0	100.6	25.8	25.0	103.2	101.6	157	158	99.4	91.3
T3		6.5				90.3				91.1				25.8				173		
C4		6.6				89.7				90.8				26.6				166		
P4		5.4				88.0				90.3				25.8				182		
R4	5.7	6.0	95.0	89.1	89.3	89.4	99.9	99.7	91.4	91.2	100.2	100.9	26.4	26.6	99.2	103.5	170	170	100.0	98.8
FKBG DATA																				
CUR. AV.	6.5				89.7				90.8				25.4				169			
CUM. AV.	6.4				89.6				90.6				25.4				172			
IND. *D	101.6				100.1				100.2				100.0				98.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XXIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

RING COMPRESSION, LBS.

	OCTOBER, 1982				NOVEMBER, 1982				DECEMBER, 1982			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	168.6	150.9	111.7	109.1	150.4	153.8	97.8	97.6	152.9	153.3	99.7	99.2
E1												
J1	156.0	150.5	103.6	101.0	171.0	151.3	113.0	111.0	160.0	153.8	104.0	103.8
M1	136.0	136.7	99.5	88.0	150.0	136.6	109.8	97.3	118.0	138.2	85.4	76.6
R1	135.0	144.5	93.4	87.4	135.0	142.6	94.7	87.6	141.0	141.3	99.8	91.5
S1		160.3				160.3				160.3		
W1		146.7				146.7				146.7		
C2												
G2	142.0	146.7	96.8	91.9	190.0	146.0	130.1	123.3	170.0	151.5	112.2	110.3
S2	167.0	171.7	97.3	108.1	159.0	171.0	93.0	103.2	164.0	169.5	96.8	106.4
W2					111.0			72.0		111.0		
A3												
P3		187.0			165.0	187.0	88.2	107.1		179.7		
T3		159.7				159.7				159.7		
C4												
P4	158.0	169.5	93.2	102.3	156.0	165.7	94.1	101.2		163.2		
R4												
FXBG DATA												
CUR. AV.	151.8				154.2				151.0			
CUM. AV.	154.5				154.1				154.1			
IND. *D	98.2				100.1				98.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XXV

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

OCTOBER, NOVEMBER, DECEMBER, 1982

	Conditioning Environment				Testing Environment
	Are Quality Samples	Procedure			Are Quality Samples Tested
Code	Conditioned Before Testing?	Time	Temp., °F	RH, %	Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
C1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
D1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
E1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
H1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
K1	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
M1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
O1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P1	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
Q1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
R1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
S1	No data submitted for this quarter				
T1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
W1	No	--	--	--	No
Z1	No data submitted for this quarter				
A2	Yes	20 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
C2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
G2	No	--	--	--	Yes
H2	No	--	--	--	Yes: 72 ± 5°F; 50 ± 5% RH
I2	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
J2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
K2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
M2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
O2	No	--	--	--	No
R2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
S2	No	--	--	--	No
W2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
Y2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
A3	No	--	--	--	No
D3	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
G3	Yes	--	--	--	No
J3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
L3	No	--	--	--	No
M3	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
P3	No	--	--	--	No
Q3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
R3	No	--	--	--	No
S3	Yes	15 min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
T3	No	--	--	--	No
U3	No	--	--	--	No
W3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
Z3	Yes	15 min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
B4	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
C4	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
H4	Yes	10 min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P4	No	--	--	--	Yes
R4	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
S4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH

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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)}\right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}}\right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^a \text{ for previous 12 months excluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

---

[a] CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b] CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.